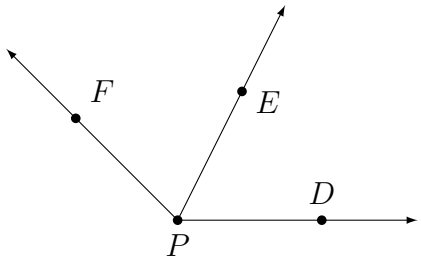
name | date | period

Batch 5055e69f

Measure the World

Version 1



(1) $AC =$ ☐ cm
when $AB = 2.9$ cm and $BC = 5.9$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 58°$ and $m\angle EPF = 70°$.

(3) $AB =$ ☐ in
when $AC = 10.3$ in and $BC = 7.8$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 161°$ and $m\angle EPF = 78°$.

(5) $BC =$ ☐ ft
when $AC = 10.5$ ft and $AB = 7.5$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 160°$ and $m\angle DPE = 80°$.

(7) $AB =$ ☐ m
when $AC = 7.14$ m and

$$\frac{BC}{AB} = 1.1$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 113.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.1$$

(9) $AB =$ ☐ parsecs
when $BC = 18.48$ parsecs and

$$\frac{AC}{AB} = 3.4$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 120°$ and

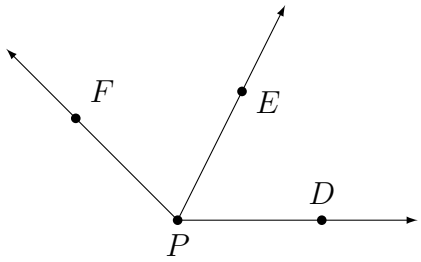
$$\frac{m\angle DPF}{m\angle DPE} = 3$$

name | date | period

Batch 5055e69f

Measure the World

Version 2



(1) $AC =$ ☐ cm
when $AB = 3.5$ cm and $BC = 4.8$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 90°$ and $m\angle EPF = 60°$.

(3) $AB =$ ☐ in
when $AC = 11.1$ in and $BC = 3.9$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 138°$ and $m\angle EPF = 78°$.

(5) $BC =$ ☐ ft
when $AC = 8.2$ ft and $AB = 2.2$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 157°$ and $m\angle DPE = 81°$.

(7) $AB =$ ☐ m
when $AC = 20.79$ m and

$$\frac{BC}{AB} = 2.3$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 132°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.2$$

(9) $AB =$ ☐ parsecs
when $BC = 11.55$ parsecs and

$$\frac{AC}{AB} = 2.5$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 112.7°$ and

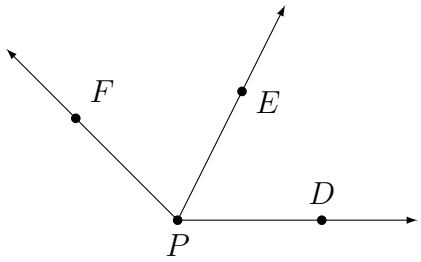
$$\frac{m\angle DPF}{m\angle DPE} = 3.3$$

name | date | period

Batch 5055e69f

Measure the World

Version 3



(1) $AC =$ ☐ cm
when $AB = 6.6$ cm and $BC = 5.4$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 66°$ and $m\angle EPF = 64°$.

(3) $AB =$ ☐ in
when $AC = 9.8$ in and $BC = 7.6$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 121°$ and $m\angle EPF = 57°$.

(5) $BC =$ ☐ ft
when $AC = 7.4$ ft and $AB = 2.2$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 121°$ and $m\angle DPE = 72°$.

(7) $AB =$ ☐ m
when $AC = 8.97$ m and

$$\frac{BC}{AB} = 1.3$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 107.1°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.1$$

(9) $AB =$ ☐ parsecs
when $BC = 6.67$ parsecs and

$$\frac{AC}{AB} = 3.3$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 168.2°$ and

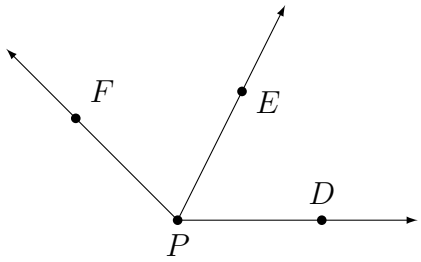
$$\frac{m\angle DPF}{m\angle DPE} = 3.9$$

name | date | period

Batch 5055e69f

Measure the World

Version 4



(1) $AC =$ ☐ cm
when $AB = 4.2$ cm and $BC = 7.6$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 53°$ and $m\angle EPF = 89°$.

(3) $AB =$ ☐ in
when $AC = 10.7$ in and $BC = 6.3$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 134°$ and $m\angle EPF = 57°$.

(5) $BC =$ ☐ ft
when $AC = 9.7$ ft and $AB = 6.1$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 126°$ and $m\angle DPE = 54°$.

(7) $AB =$ ☐ m
when $AC = 11.4$ m and

$$\frac{BC}{AB} = 2$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 134.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.8$$

(9) $AB =$ ☐ parsecs
when $BC = 14.7$ parsecs and

$$\frac{AC}{AB} = 4$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 156°$ and

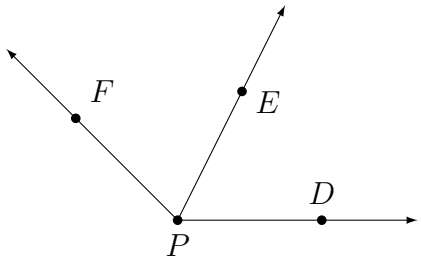
$$\frac{m\angle DPF}{m\angle DPE} = 4$$

name | date | period

Batch 5055e69f

Measure the World

Version 5



(1) $AC =$ ☐ cm
when $AB = 4.4$ cm and $BC = 3.2$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 82°$ and $m\angle EPF = 57°$.

(3) $AB =$ ☐ in
when $AC = 7.2$ in and $BC = 2.1$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 153°$ and $m\angle EPF = 69°$.

(5) $BC =$ ☐ ft
when $AC = 11.6$ ft and $AB = 5.9$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 123°$ and $m\angle DPE = 50°$.

(7) $AB =$ ☐ m
when $AC = 5.52$ m and

$$\frac{BC}{AB} = 1.4$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 165.2°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.8$$

(9) $AB =$ ☐ parsecs
when $BC = 12.92$ parsecs and

$$\frac{AC}{AB} = 2.9$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 108.1°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.3$$

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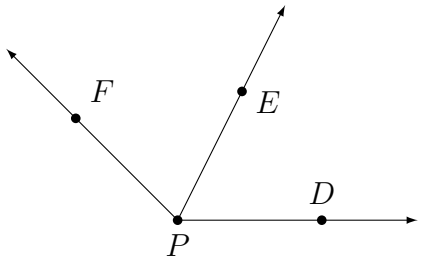
Measure the World

Version 6



(1) $AC =$ ☐ cm
when $AB = 6.8$ cm and $BC = 3.6$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 89°$ and $m\angle EPF = 54°$.

(3) $AB =$ ☐ in
when $AC = 14.3$ in and $BC = 7.6$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 107°$ and $m\angle EPF = 47°$.

(5) $BC =$ ☐ ft
when $AC = 12.5$ ft and $AB = 5.3$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 140°$ and $m\angle DPE = 64°$.

(7) $AB =$ ☐ m
when $AC = 9.61$ m and

$$\frac{BC}{AB} = 2.1$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 127.5°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.5$$

(9) $AB =$ ☐ parsecs
when $BC = 11.25$ parsecs and

$$\frac{AC}{AB} = 2.5$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 151.2°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.8$$

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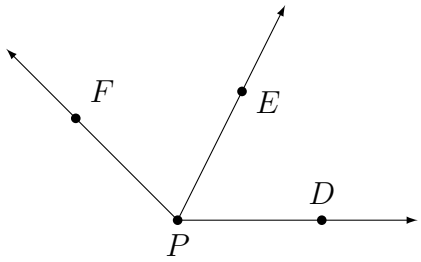
Measure the World

Version 7



(1) $AC =$ ☐ cm
when $AB = 6.9$ cm and $BC = 7.6$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 53°$ and $m\angle EPF = 53°$.

(3) $AB =$ ☐ in
when $AC = 13$ in and $BC = 6.1$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 144°$ and $m\angle EPF = 85°$.

(5) $BC =$ ☐ ft
when $AC = 13.6$ ft and $AB = 7.9$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 127°$ and $m\angle DPE = 71°$.

(7) $AB =$ ☐ m
when $AC = 17.48$ m and

$$\frac{BC}{AB} = 1.3$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 124.8°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.4$$

(9) $AB =$ ☐ parsecs
when $BC = 9.5$ parsecs and

$$\frac{AC}{AB} = 3.5$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 127.2°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.4$$

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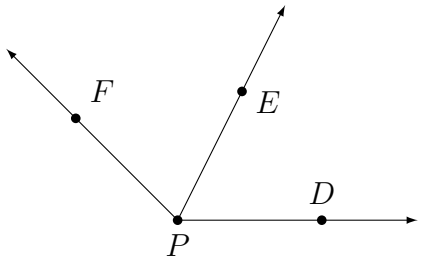
Measure the World

Version 8



(1) $AC =$ ☐ cm
when $AB = 2.6$ cm and $BC = 2.9$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 46°$ and $m\angle EPF = 46°$.

(3) $AB =$ ☐ in
when $AC = 13.1$ in and $BC = 6.9$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 126°$ and $m\angle EPF = 57°$.

(5) $BC =$ ☐ ft
when $AC = 10.9$ ft and $AB = 7.5$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 152°$ and $m\angle DPE = 82°$.

(7) $AB =$ ☐ m
when $AC = 15.04$ m and

$$\frac{BC}{AB} = 2.2$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 135.2°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.6$$

(9) $AB =$ ☐ parsecs
when $BC = 7.92$ parsecs and

$$\frac{AC}{AB} = 2.8$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 148.2°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.6$$

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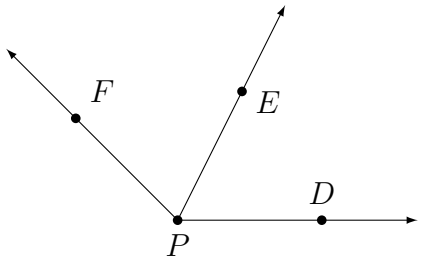
Measure the World

Version 9



(1) $AC =$ ☐ cm
when $AB = 6.4$ cm and $BC = 7.2$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 63°$ and $m\angle EPF = 51°$.

(3) $AB =$ ☐ in
when $AC = 10.1$ in and $BC = 3.7$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 136°$ and $m\angle EPF = 88°$.

(5) $BC =$ ☐ ft
when $AC = 7.3$ ft and $AB = 4.1$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 166°$ and $m\angle DPE = 81°$.

(7) $AB =$ ☐ m
when $AC = 17.5$ m and

$$\frac{BC}{AB} = 1.5$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 130°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.6$$

(9) $AB =$ ☐ parsecs
when $BC = 14.4$ parsecs and

$$\frac{AC}{AB} = 3$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 135°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.7$$

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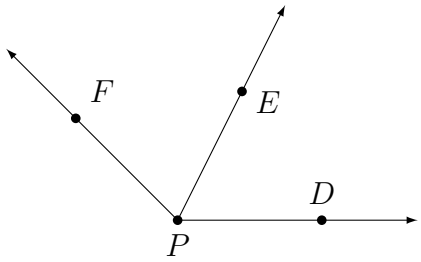
Measure the World

Version 10



(1) $AC =$ ☐ cm
when $AB = 7.3$ cm and $BC = 2.3$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 77°$ and $m\angle EPF = 57°$.

(3) $AB =$ ☐ in
when $AC = 8.1$ in and $BC = 3.7$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 146°$ and $m\angle EPF = 68°$.

(5) $BC =$ ☐ ft
when $AC = 7.8$ ft and $AB = 4.4$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 125°$ and $m\angle DPE = 54°$.

(7) $AB =$ ☐ m
when $AC = 8.06$ m and

$$\frac{BC}{AB} = 1.6$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 147.9°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.9$$

(9) $AB =$ ☐ parsecs
when $BC = 20.72$ parsecs and

$$\frac{AC}{AB} = 3.8$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 143°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.6$$

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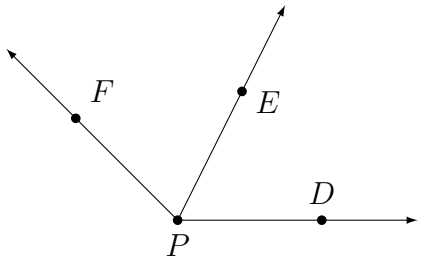
Measure the World

Version 11



(1) $AC =$ ☐ cm
when $AB = 7.5$ cm and $BC = 5.8$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 89°$ and $m\angle EPF = 81°$.

(3) $AB =$ ☐ in
when $AC = 7.4$ in and $BC = 3.9$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 113°$ and $m\angle EPF = 52°$.

(5) $BC =$ ☐ ft
when $AC = 11.9$ ft and $AB = 4.9$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 129°$ and $m\angle DPE = 70°$.

(7) $AB =$ ☐ m
when $AC = 26.98$ m and

$$\frac{BC}{AB} = 2.8$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 162.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.8$$

(9) $AB =$ ☐ parsecs
when $BC = 8.06$ parsecs and

$$\frac{AC}{AB} = 2.3$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 114°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3$$

name | date | period

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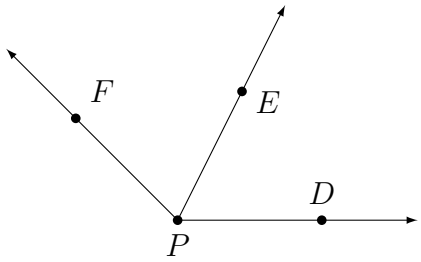
Measure the World

Version 12



(1) $AC =$ ☐ cm
when $AB = 4.5$ cm and $BC = 5.8$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 85°$ and $m\angle EPF = 66°$.

(3) $AB =$ ☐ in
when $AC = 10.2$ in and $BC = 7.3$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 129°$ and $m\angle EPF = 61°$.

(5) $BC =$ ☐ ft
when $AC = 9.4$ ft and $AB = 2.6$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 98°$ and $m\angle DPE = 53°$.

(7) $AB =$ ☐ m
when $AC = 4.2$ m and

$$\frac{BC}{AB} = 1.1$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 162.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.9$$

(9) $AB =$ ☐ parsecs
when $BC = 10.64$ parsecs and

$$\frac{AC}{AB} = 3.8$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 112°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3$$

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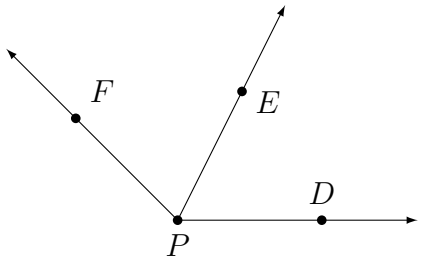
Measure the World

Version 13



(1) $AC =$ ☐ cm
when $AB = 7.1$ cm and $BC = 3.2$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 61°$ and $m\angle EPF = 56°$.

(3) $AB =$ ☐ in
when $AC = 12.1$ in and $BC = 4.9$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 144°$ and $m\angle EPF = 64°$.

(5) $BC =$ ☐ ft
when $AC = 13$ ft and $AB = 8$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 130°$ and $m\angle DPE = 52°$.

(7) $AB =$ ☐ m
when $AC = 14.4$ m and

$$\frac{BC}{AB} = 1.4$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 139.2°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.4$$

(9) $AB =$ ☐ parsecs
when $BC = 5.6$ parsecs and

$$\frac{AC}{AB} = 3.8$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 98°$ and

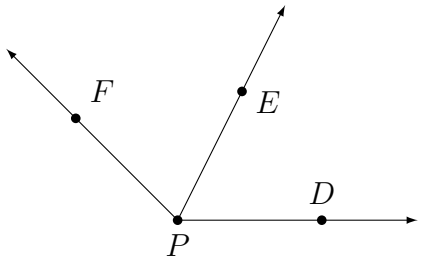
$$\frac{m\angle DPF}{m\angle DPE} = 3$$

name | date | period

Batch 5055e69f

Measure the World

Version 14



(1) $AC =$ ☐ cm
when $AB = 4.7$ cm and $BC = 2.7$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 84°$ and $m\angle EPF = 85°$.

(3) $AB =$ ☐ in
when $AC = 8.6$ in and $BC = 4.9$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 120°$ and $m\angle EPF = 56°$.

(5) $BC =$ ☐ ft
when $AC = 10.7$ ft and $AB = 5.5$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 171°$ and $m\angle DPE = 85°$.

(7) $AB =$ ☐ m
when $AC = 13.2$ m and

$$\frac{BC}{AB} = 2.3$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 125.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.2$$

(9) $AB =$ ☐ parsecs
when $BC = 4.32$ parsecs and

$$\frac{AC}{AB} = 2.2$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 115°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.5$$

name | date | period

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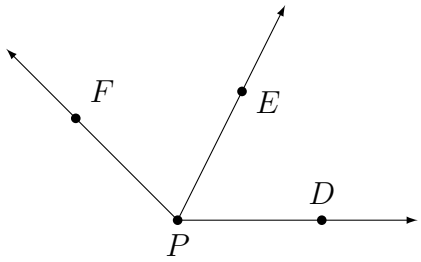
Measure the World

Version 15



(1) $AC =$ ☐ cm
when $AB = 2.9$ cm and $BC = 7.6$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 49°$ and $m\angle EPF = 59°$.

(3) $AB =$ ☐ in
when $AC = 6.5$ in and $BC = 2.4$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 107°$ and $m\angle EPF = 46°$.

(5) $BC =$ ☐ ft
when $AC = 5.7$ ft and $AB = 2.4$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 128°$ and $m\angle DPE = 49°$.

(7) $AB =$ ☐ m
when $AC = 12.19$ m and

$$\frac{BC}{AB} = 1.3$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 125.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.2$$

(9) $AB =$ ☐ parsecs
when $BC = 12.39$ parsecs and

$$\frac{AC}{AB} = 3.1$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 177°$ and

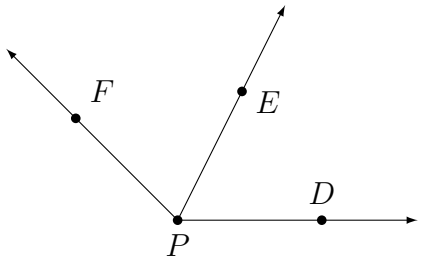
$$\frac{m\angle DPF}{m\angle DPE} = 4$$

name | date | period

Batch 5055e69f

Measure the World

Version 16



(1) $AC =$ ☐ cm
when $AB = 2.8$ cm and $BC = 7.7$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 66°$ and $m\angle EPF = 69°$.

(3) $AB =$ ☐ in
when $AC = 11.3$ in and $BC = 3.9$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 118°$ and $m\angle EPF = 58°$.

(5) $BC =$ ☐ ft
when $AC = 10.4$ ft and $AB = 8$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 131°$ and $m\angle DPE = 68°$.

(7) $AB =$ ☐ m
when $AC = 10.8$ m and

$$\frac{BC}{AB} = 2.6$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 177°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 2$$

(9) $AB =$ ☐ parsecs
when $BC = 10.6$ parsecs and

$$\frac{AC}{AB} = 3$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 109.2°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.1$$

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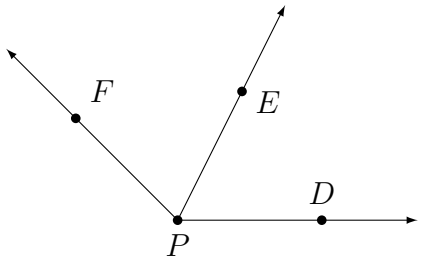
Measure the World

Version 17



(1) $AC =$ ☐ cm
when $AB = 4.9$ cm and $BC = 6.1$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 60°$ and $m\angle EPF = 68°$.

(3) $AB =$ ☐ in
when $AC = 8.7$ in and $BC = 4.3$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 128°$ and $m\angle EPF = 73°$.

(5) $BC =$ ☐ ft
when $AC = 6.1$ ft and $AB = 3.1$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 139°$ and $m\angle DPE = 83°$.

(7) $AB =$ ☐ m
when $AC = 6.93$ m and

$$\frac{BC}{AB} = 2.3$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 123.2°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.2$$

(9) $AB =$ ☐ parsecs
when $BC = 5.1$ parsecs and

$$\frac{AC}{AB} = 2.5$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 119.6°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.6$$

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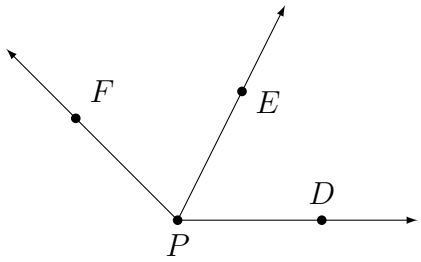
Batch 5055e69f

Measure the World

Version 18



(1) $AC =$ ☐ cm
when $AB = 7.6$ cm and $BC = 4.3$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 50°$ and $m\angle EPF = 63°$.

(3) $AB =$ ☐ in
when $AC = 10.2$ in and $BC = 7.1$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 122°$ and $m\angle EPF = 60°$.

(5) $BC =$ ☐ ft
when $AC = 12.9$ ft and $AB = 5.2$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 146°$ and $m\angle DPE = 62°$.

(7) $AB =$ ☐ m
when $AC = 17.05$ m and

$$\frac{BC}{AB} = 2.1$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 123.9°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.1$$

(9) $AB =$ ☐ parsecs
when $BC = 2.73$ parsecs and

$$\frac{AC}{AB} = 2.3$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 134.4°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.4$$

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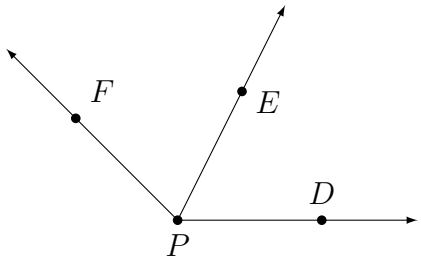
Measure the World

Version 19



(1) $AC =$ ☐ cm
when $AB = 2.4$ cm and $BC = 2.2$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 47°$ and $m\angle EPF = 61°$.

(3) $AB =$ ☐ in
when $AC = 9.8$ in and $BC = 3.6$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 143°$ and $m\angle EPF = 57°$.

(5) $BC =$ ☐ ft
when $AC = 5.7$ ft and $AB = 2.1$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 150°$ and $m\angle DPE = 74°$.

(7) $AB =$ ☐ m
when $AC = 9.28$ m and

$$\frac{BC}{AB} = 2.2$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 129.6°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.4$$

(9) $AB =$ ☐ parsecs
when $BC = 6.09$ parsecs and

$$\frac{AC}{AB} = 3.9$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 117.3°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.3$$

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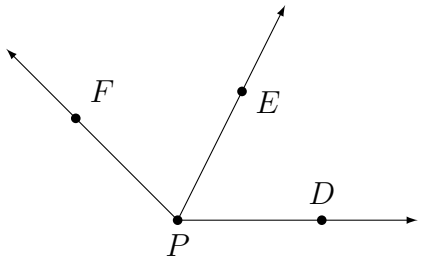
Measure the World

Version 20



(1) $AC =$ ☐ cm
when $AB = 7.4$ cm and $BC = 4.4$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 59°$ and $m\angle EPF = 87°$.

(3) $AB =$ ☐ in
when $AC = 12.7$ in and $BC = 7.7$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 126°$ and $m\angle EPF = 52°$.

(5) $BC =$ ☐ ft
when $AC = 8.9$ ft and $AB = 6.7$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 147°$ and $m\angle DPE = 79°$.

(7) $AB =$ ☐ m
when $AC = 15.6$ m and

$$\frac{BC}{AB} = 1.4$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 147°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 2$$

(9) $AB =$ ☐ parsecs
when $BC = 9.24$ parsecs and

$$\frac{AC}{AB} = 3.2$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 120°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.5$$

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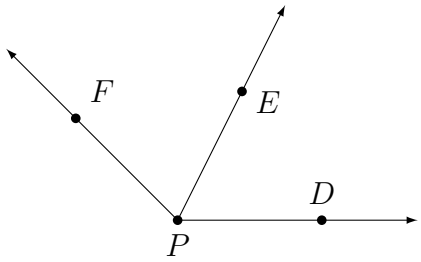
Measure the World

Version 21



(1) $AC =$ ☐ cm
when $AB = 2.1$ cm and $BC = 6.5$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 89°$ and $m\angle EPF = 85°$.

(3) $AB =$ ☐ in
when $AC = 13.9$ in and $BC = 7.4$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 129°$ and $m\angle EPF = 76°$.

(5) $BC =$ ☐ ft
when $AC = 10.2$ ft and $AB = 4.5$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 127°$ and $m\angle DPE = 78°$.

(7) $AB =$ ☐ m
when $AC = 12.15$ m and

$$\frac{BC}{AB} = 1.7$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 114.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.2$$

(9) $AB =$ ☐ parsecs
when $BC = 11.07$ parsecs and

$$\frac{AC}{AB} = 3.7$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 105.6°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.2$$

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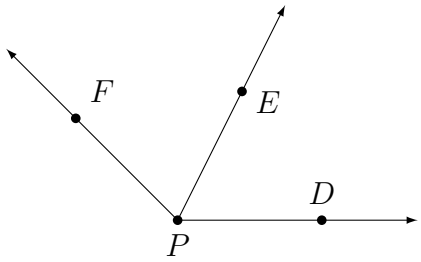
Measure the World

Version 22



(1) $AC =$ ☐ cm
when $AB = 6.7$ cm and $BC = 5.5$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 83°$ and $m\angle EPF = 56°$.

(3) $AB =$ ☐ in
when $AC = 9.5$ in and $BC = 3$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 135°$ and $m\angle EPF = 78°$.

(5) $BC =$ ☐ ft
when $AC = 11.1$ ft and $AB = 3.9$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 124°$ and $m\angle DPE = 45°$.

(7) $AB =$ ☐ m
when $AC = 14.3$ m and

$$\frac{BC}{AB} = 1.2$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 130°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.6$$

(9) $AB =$ ☐ parsecs
when $BC = 9.12$ parsecs and

$$\frac{AC}{AB} = 3.4$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 99°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.2$$

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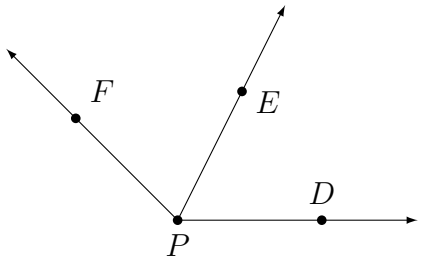
Measure the World

Version 23



(1) $AC =$ ☐ cm
when $AB = 2.6$ cm and $BC = 3.1$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 47°$ and $m\angle EPF = 47°$.

(3) $AB =$ ☐ in
when $AC = 7.9$ in and $BC = 4.9$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 156°$ and $m\angle EPF = 74°$.

(5) $BC =$ ☐ ft
when $AC = 9.8$ ft and $AB = 5.2$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 140°$ and $m\angle DPE = 63°$.

(7) $AB =$ ☐ m
when $AC = 12.09$ m and

$$\frac{BC}{AB} = 2.9$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 162.4°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.8$$

(9) $AB =$ ☐ parsecs
when $BC = 9.75$ parsecs and

$$\frac{AC}{AB} = 2.5$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 150.8°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.6$$

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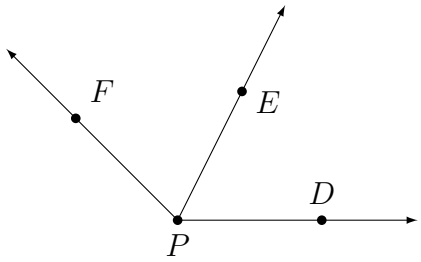
Measure the World

Version 24



(1) $AC =$ ☐ cm
when $AB = 6$ cm and $BC = 3.2$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 67°$ and
$m\angle EPF = 90°$.

(3) $AB =$ ☐ in
when $AC = 9$ in and $BC = 2.5$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 138°$ and
$m\angle EPF = 71°$.

(5) $BC =$ ☐ ft
when $AC = 7.2$ ft and $AB = 4.4$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 135°$ and
$m\angle DPE = 84°$.

(7) $AB =$ ☐ m
when $AC = 22.44$ m and

$$\frac{BC}{AB} = 2.4$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 124.8°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.6$$

(9) $AB =$ ☐ parsecs
when $BC = 6.63$ parsecs and

$$\frac{AC}{AB} = 2.3$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 139.2°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.4$$

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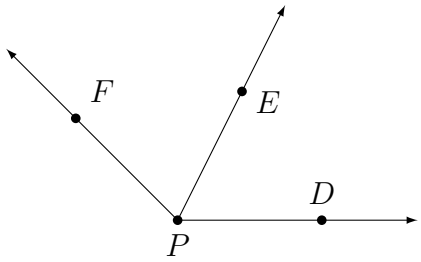
Measure the World

Version 25



(1) $AC =$ ☐ cm
when $AB = 3.1$ cm and $BC = 2$ cm.

(2) $m\angle DPF =$ ☐ degrees
when $m\angle DPE = 70°$ and $m\angle EPF = 66°$.

(3) $AB =$ ☐ in
when $AC = 10.8$ in and $BC = 3.5$ in.

(4) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 129°$ and $m\angle EPF = 59°$.

(5) $BC =$ ☐ ft
when $AC = 8$ ft and $AB = 2.4$ ft.

(6) $m\angle EPF =$ ☐ degrees
when $m\angle DPF = 108°$ and $m\angle DPE = 57°$.

(7) $AB =$ ☐ m
when $AC = 16.38$ m and

$$\frac{BC}{AB} = 1.1$$

(8) $m\angle DPE =$ ☐ degrees
when $m\angle DPF = 102.9°$ and

$$\frac{m\angle EPF}{m\angle DPE} = 1.1$$

(9) $AB =$ ☐ parsecs
when $BC = 12.1$ parsecs and

$$\frac{AC}{AB} = 3.2$$

(10) $m\angle DPE =$ ☐ degrees
when $m\angle EPF = 154°$ and

$$\frac{m\angle DPF}{m\angle DPE} = 3.8$$

Version 1

(1) 8.8	(2) 128
(3) 2.5	(4) 83
(5) 3	(6) 80
(7) 3.4	(8) 54
(9) 7.7	(10) 60

Version 2

(1) 8.3	(2) 150
(3) 7.2	(4) 60
(5) 6	(6) 76
(7) 6.3	(8) 60
(9) 7.7	(10) 49

Version 3

(1) 12	(2) 130
(3) 2.2	(4) 64
(5) 5.2	(6) 49
(7) 3.9	(8) 51
(9) 2.9	(10) 58

Version 4

(1) 11.8	(2) 142
(3) 4.4	(4) 77
(5) 3.6	(6) 72
(7) 3.8	(8) 48
(9) 4.9	(10) 52

Version 5

(1) 7.6	(2) 139
(3) 5.1	(4) 84
(5) 5.7	(6) 73
(7) 2.3	(8) 59
(9) 6.8	(10) 47

Version 6

(1) 10.4	(2) 143
(3) 6.7	(4) 60
(5) 7.2	(6) 76
(7) 3.1	(8) 51
(9) 7.5	(10) 54

Version 7

(1) 14.5	(2) 106
(3) 6.9	(4) 59
(5) 5.7	(6) 56
(7) 7.6	(8) 52
(9) 3.8	(10) 53

Version 8

(1) 5.5	(2) 92
(3) 6.2	(4) 69
(5) 3.4	(6) 70
(7) 4.7	(8) 52
(9) 4.4	(10) 57

Version 9

(1) 13.6	(2) 114
(3) 6.4	(4) 48
(5) 3.2	(6) 85
(7) 7	(8) 50
(9) 7.2	(10) 50

Version 10

(1) 9.6	(2) 134
(3) 4.4	(4) 78
(5) 3.4	(6) 71
(7) 3.1	(8) 51
(9) 7.4	(10) 55

Version 11

(1) 13.3	(2) 170
(3) 3.5	(4) 61
(5) 7	(6) 59
(7) 7.1	(8) 58
(9) 6.2	(10) 57

Version 12

(1) 10.3	(2) 151
(3) 2.9	(4) 68
(5) 6.8	(6) 45
(7) 2	(8) 56
(9) 3.8	(10) 56

Version 13

(1) 10.3	(2) 117
(3) 7.2	(4) 80
(5) 5	(6) 78
(7) 6	(8) 58
(9) 2	(10) 49

Version 14

(1) 7.4	(2) 169
(3) 3.7	(4) 64
(5) 5.2	(6) 86
(7) 4	(8) 57
(9) 3.6	(10) 46

Version 15

(1) 10.5	(2) 108
(3) 4.1	(4) 61
(5) 3.3	(6) 79
(7) 5.3	(8) 57
(9) 5.9	(10) 59

Version 16

(1) 10.5	(2) 135
(3) 7.4	(4) 60
(5) 2.4	(6) 63
(7) 3	(8) 59
(9) 5.3	(10) 52

Version 17

(1) 11	(2) 128
(3) 4.4	(4) 55
(5) 3	(6) 56
(7) 2.1	(8) 56
(9) 3.4	(10) 46

Version 18

(1) 11.9	(2) 113
(3) 3.1	(4) 62
(5) 7.7	(6) 84
(7) 5.5	(8) 59
(9) 2.1	(10) 56

Version 19

(1) 4.6	(2) 108
(3) 6.2	(4) 86
(5) 3.6	(6) 76
(7) 2.9	(8) 54
(9) 2.1	(10) 51

Version 20

(1) 11.8	(2) 146
(3) 5	(4) 74
(5) 2.2	(6) 68
(7) 6.5	(8) 49
(9) 4.2	(10) 48

Version 21

(1) 8.6	(2) 174
(3) 6.5	(4) 53
(5) 5.7	(6) 49
(7) 4.5	(8) 52
(9) 4.1	(10) 48

Version 22

(1) 12.2	(2) 139
(3) 6.5	(4) 57
(5) 7.2	(6) 79
(7) 6.5	(8) 50
(9) 3.8	(10) 45

Version 23

(1) 5.7	(2) 94
(3) 3	(4) 82
(5) 4.6	(6) 77
(7) 3.1	(8) 58
(9) 6.5	(10) 58

Version 24

(1) 9.2	(2) 157
(3) 6.5	(4) 67
(5) 2.8	(6) 51
(7) 6.6	(8) 48
(9) 5.1	(10) 58

Version 25

(1) 5.1	(2) 136
(3) 7.3	(4) 70
(5) 5.6	(6) 51
(7) 7.8	(8) 49
(9) 5.5	(10) 55