Batch 505fdad5   # Right or Wrong   Version 1

	x	y
A	4.20353	-1.60633
B	1.23705	4.32663
C	-1.23705	-4.32663

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(1) ⬜ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) ⬜ $= m_{AB}$
Compute slope of $\overline{AB}$

(2) ⬜ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) ⬜ $= m_{AC}$
Compute slope of $\overline{AC}$

(3) ⬜ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) ⬜ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) ⬜ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

(8) ⬜ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
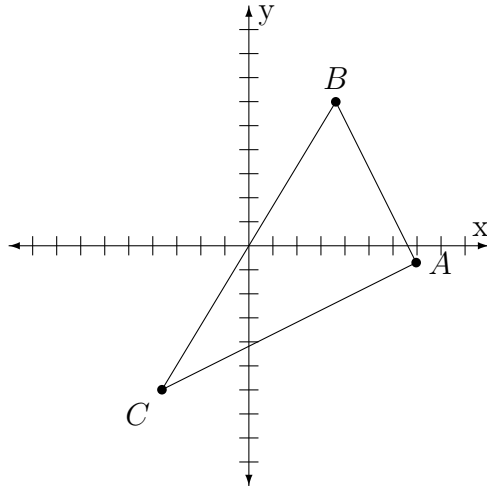(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 2

	x	y
A	6.96482	-0.700889
B	3.61818	5.99239
C	-3.61818	-5.99239

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
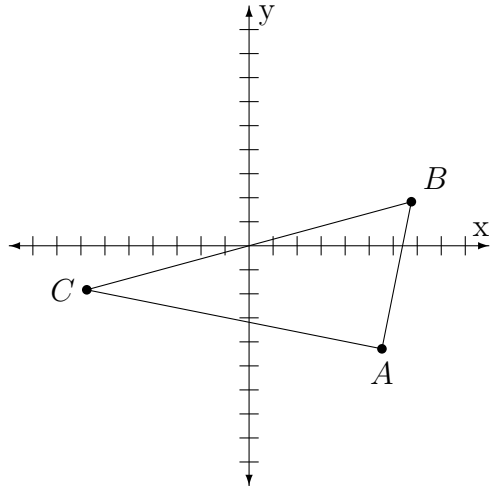(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 3

	x	y
A	5.53095	-4.29053
B	6.75569	1.8332
C	-6.75569	-1.8332

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) $\boxed{}$ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
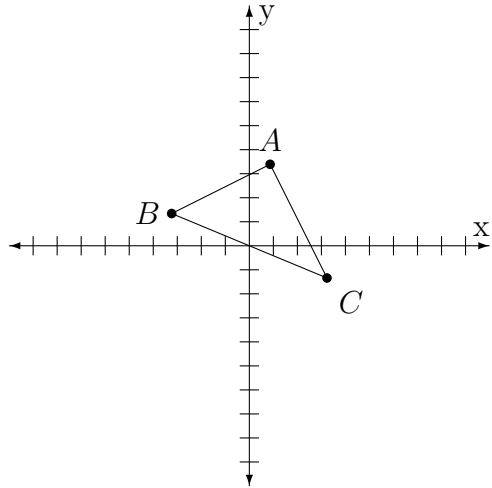(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 4

	x	y
A	0.866174	3.39113
B	-3.23261	1.34174
C	3.23261	-1.34174

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) $\boxed{}$ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
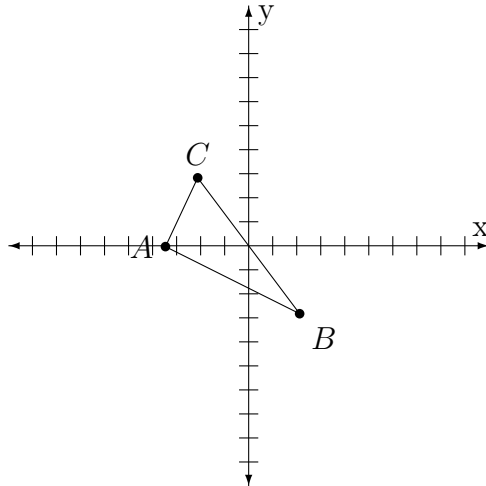(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5   # Right or Wrong   Version 5

	x	y
A	-3.46392	-0.0352391
B	2.12177	-2.82809
C	-2.12177	2.82809

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

---

(8) ☐ I know that $\triangle ABC$ is not a right triangle because:

(A) The sides do not satisfy the Pythagorean Theorem,
(B) The slopes of the legs are not negative reciprocals.
(C) Looks can be deceiving.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 6

	x	y
A	4.30237	-1.22049
B	-1.26539	4.34727
C	1.26539	-4.34727

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(8) $\boxed{}$ I know that $\triangle ABC$ is not a right triangle because:

(A) The sides do not satisfy the Pythagorean Theorem,
(B) The slopes of the legs are not negative reciprocals.
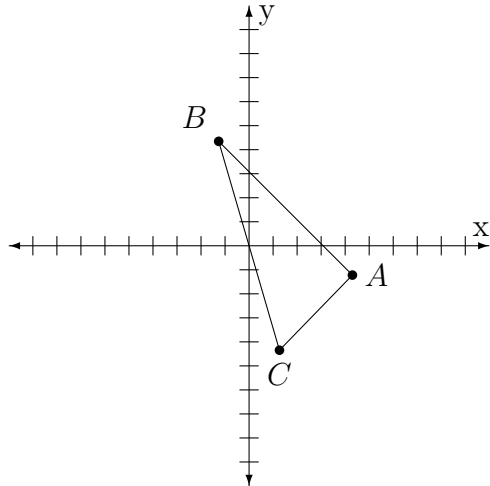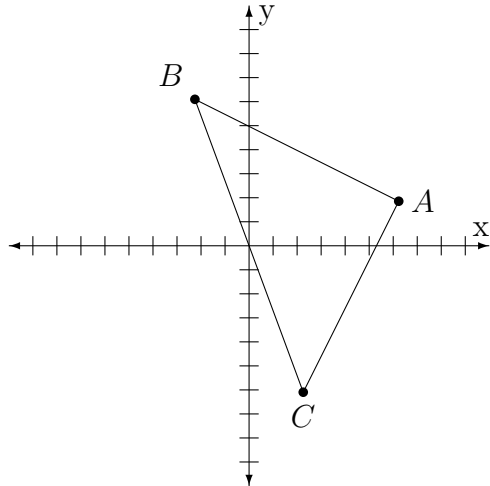(C) Looks can be deceiving.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 7

	x	y
A	6.2301	1.8536
B	-2.25518	6.09624
C	2.25518	-6.09624

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5   # Right or Wrong   Version 8

	x	y
A	2.18991	-2.05043
B	2.81009	1.05043
C	-2.81009	-1.05043

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
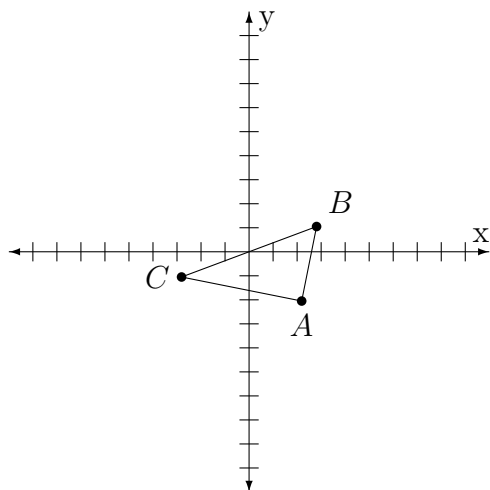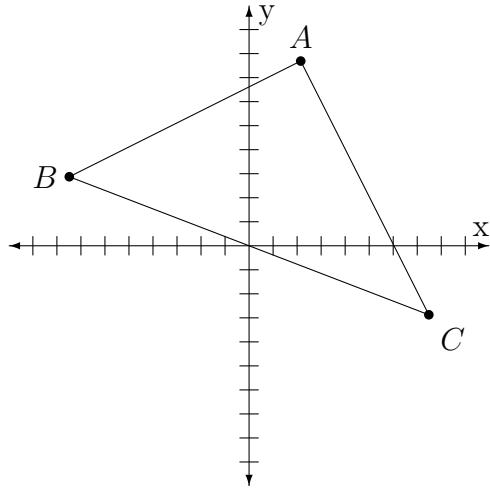(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 9

	x	y
A	2.15015	7.6894
B	-7.48313	2.87276
C	7.48313	-2.87276

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) $\boxed{}$ I know that $\triangle ABC$ is not a right triangle because:

(A) The sides do not satisfy the Pythagorean Theorem,
(B) The slopes of the legs are not negative reciprocals.
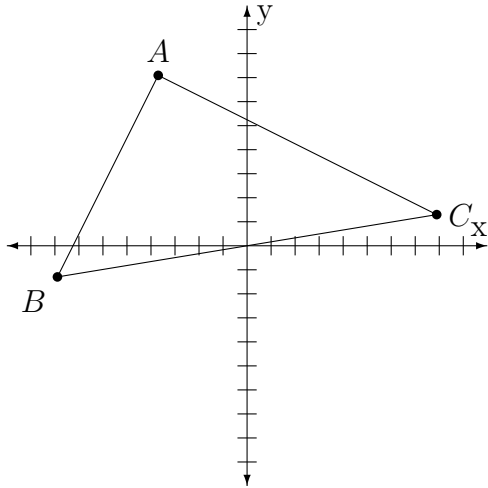(C) Looks can be deceiving.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 10

	x	y
A	-3.69893	7.09351
B	-7.89417	-1.29696
C	7.89417	1.29696

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

---

(8) $\boxed{}$ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Right or Wrong

	x	y
A	2.74161	-1.21803
B	2.06224	2.1788
C	-2.06224	-2.1788

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

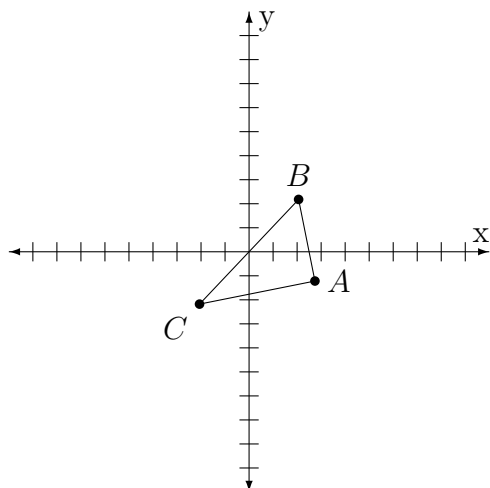Batch 505fdad5   Right or Wrong   Version 12

	x	y
A	-5.65133	-5.66237
B	7.39445	-3.05322
C	-7.39445	3.05322

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
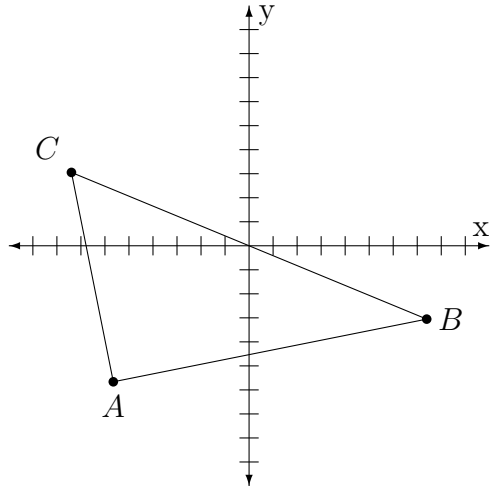(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 13

	x	y
A	2.31499	-6.60612
B	6.67389	2.11168
C	-6.67389	-2.11168

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
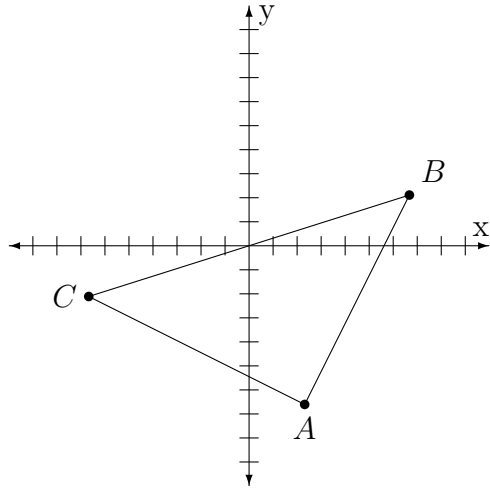(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Right or Wrong

	x	y
A	-1.56136	-3.68268
B	3.68268	1.56136
C	-3.68268	-1.56136

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(8) $\boxed{}$ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
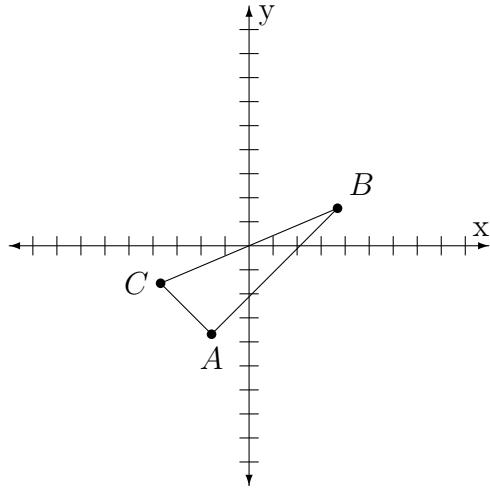(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Right or Wrong

	x	y
A	-0.286517	5.01676
B	-4.1595	-2.7292
C	4.1595	2.7292

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(8) $\boxed{}$ I know that $\triangle ABC$ is not a right triangle because:

(A) The sides do not satisfy the Pythagorean Theorem,
(B) The slopes of the legs are not negative reciprocals.
(C) Looks can be deceiving.
(D) All of the above.

Right or Wrong

	x	y
A	-0.9317	-2.3199
B	2.41494	-0.64658
C	-2.41494	0.64658

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(8) $\boxed{}$ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
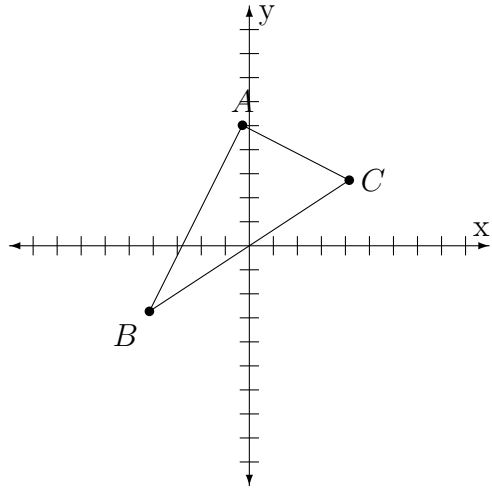(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 17

	x	y
A	2.94188	1.89613
B	-2.50816	2.44114
C	2.50816	-2.44114

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(8) $\boxed{}$ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
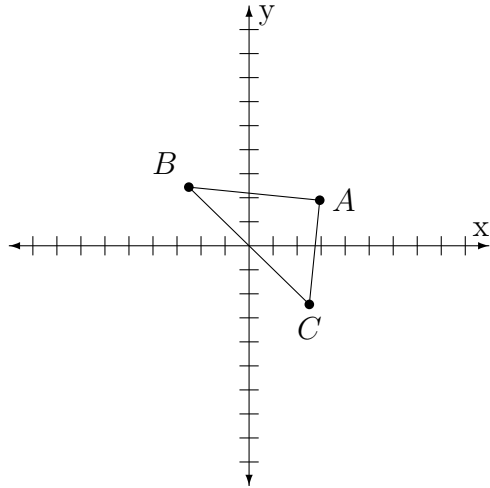(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 18

	x	y
A	0.951154	-2.88882
B	1.9702	2.20642
C	-1.9702	-2.20642

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) $\boxed{} = (AB)^2$

Compute distance squared of $\overline{AB}$.

(2) $\boxed{} = (AC)^2$

Compute distance squared of $\overline{AC}$.

(3) $\boxed{} = (AB)^2 + (AC)^2$

Sum answers from (1) and (2).

(4) $\boxed{} = (BC)^2$

Compute distance squared of $\overline{BC}$.

(5) $\boxed{} = m_{AB}$

Compute slope of $\overline{AB}$

(6) $\boxed{} = m_{AC}$

Compute slope of $\overline{AC}$

(7) $\boxed{} = m_{AB} \times m_{AC}$

Multiply answers from (5) and (6).

---

(8) $\boxed{}$ I know that $\triangle ABC$ is not a right triangle because:

(A) The sides do not satisfy the Pythagorean Theorem,
(B) The slopes of the legs are not negative reciprocals.
(C) Looks can be deceiving.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 19

	x	y
A	2.64785	-7.01704
B	1.20591	7.40242
C	-1.20591	-7.40242

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
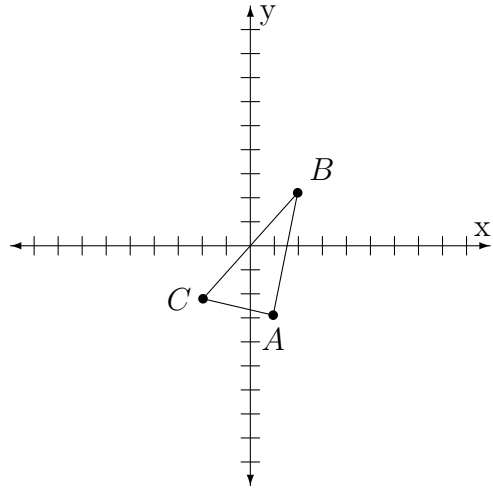(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 20

	x	y
A	1.51585	3.19409
B	-3.38313	0.744599
C	3.38313	-0.744599

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

(1) ⬚ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(5) ⬚ $= m_{AB}$
Compute slope of $\overline{AB}$

(2) ⬚ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(6) ⬚ $= m_{AC}$
Compute slope of $\overline{AC}$

(3) ⬚ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(7) ⬚ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

(4) ⬚ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

(8) ⬚ I know that $\triangle ABC$ is not a right triangle because:

(A) The sides do not satisfy the Pythagorean Theorem,
(B) The slopes of the legs are not negative reciprocals.
(C) Looks can be deceiving.
(D) All of the above.

Right or Wrong
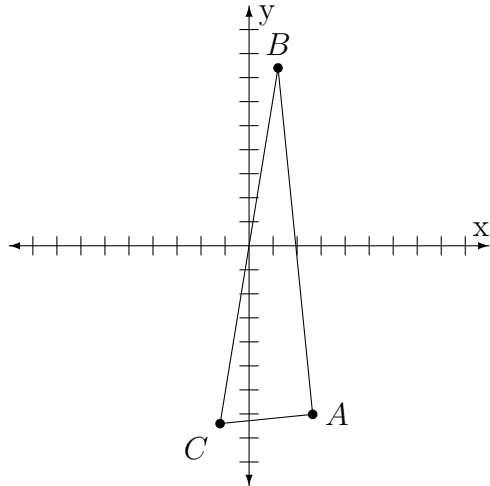
	x	y
A	3.34155	6.15094
B	-4.49338	5.36745
C	4.49338	-5.36745

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) ☐ I know that $\triangle ABC$ is a right triangle because:

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(B) The sides satisfy the Pythagorean Theorem,
(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Right or Wrong
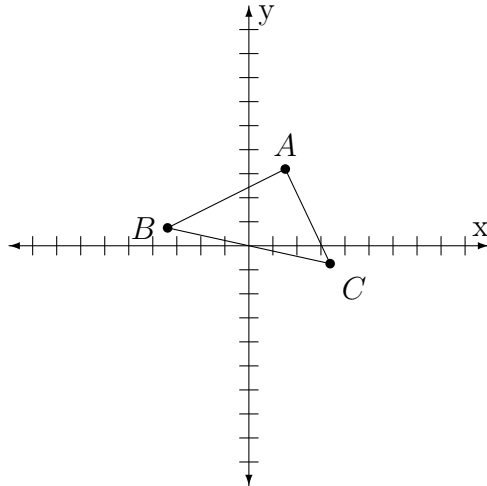
	x	y
A	0.484626	6.96528
B	-6.99869	-0.518034
C	6.99869	0.518034

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) ☐ $= (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) ☐ $= (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) ☐ $= (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) ☐ $= m_{AB}$
Compute slope of $\overline{AB}$

(6) ☐ $= m_{AC}$
Compute slope of $\overline{AC}$

(7) ☐ $= m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

(8) ☐ I know that $\triangle ABC$ is not a right triangle because:

(A) The sides do not satisfy the Pythagorean Theorem,
(B) The slopes of the legs are not negative reciprocals.
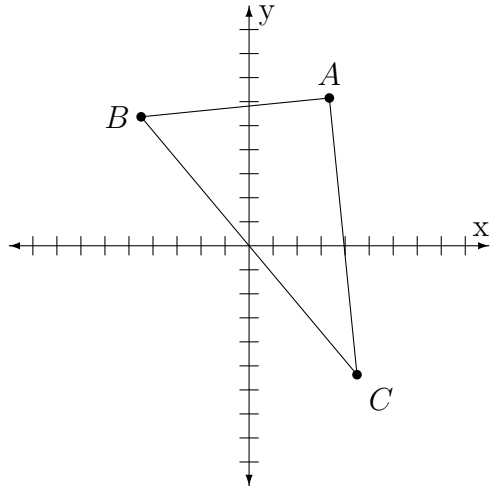(C) Looks can be deceiving.
(D) All of the above.

Batch 505fdad5   Right or Wrong   Version 23

	x	y
A	-1.03186	4.3801
B	-2.63714	-3.6463
C	2.63714	3.6463

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) $\boxed{} = (AB)^2$

Compute distance squared of $\overline{AB}$.

(2) $\boxed{} = (AC)^2$

Compute distance squared of $\overline{AC}$.

(3) $\boxed{} = (AB)^2 + (AC)^2$

Sum answers from (1) and (2).

(4) $\boxed{} = (BC)^2$

Compute distance squared of $\overline{BC}$.

(5) $\boxed{} = m_{AB}$

Compute slope of $\overline{AB}$

(6) $\boxed{} = m_{AC}$

Compute slope of $\overline{AC}$

(7) $\boxed{} = m_{AB} \times m_{AC}$

Multiply answers from (5) and (6).

---

(8) $\boxed{}$ I know that $\triangle ABC$ is a right triangle because:

(A) It looks like a right triangle.
(B) The sides satisfy the Pythagorean Theorem,
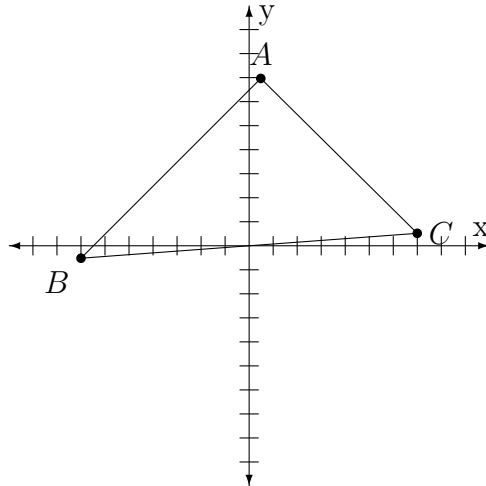(C) The slopes of the legs are negative reciprocals.
(D) All of the above.

Batch 505fdad5

Right or Wrong

Version 24

	x	y
A	-5.90545	-0.935776
B	-4.23213	-4.28242
C	4.23213	4.28242

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) $\boxed{} = (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) $\boxed{} = (AC)^2$
Compute distance squared of $\overline{AC}$.

(3) $\boxed{} = (AB)^2 + (AC)^2$
Sum answers from (1) and (2).

(4) $\boxed{} = (BC)^2$
Compute distance squared of $\overline{BC}$.

(5) $\boxed{} = m_{AB}$
Compute slope of $\overline{AB}$

(6) $\boxed{} = m_{AC}$
Compute slope of $\overline{AC}$

(7) $\boxed{} = m_{AB} \times m_{AC}$
Multiply answers from (5) and (6).

---

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(C) Looks can be deceiving.
(D) All of the above.

Batch 505fdad5
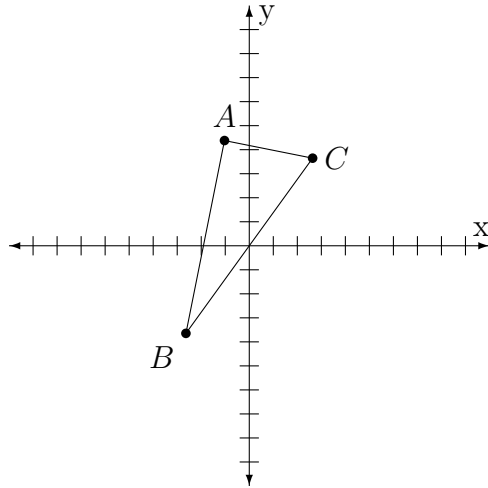
Right or Wrong

	x	y
A	3.88391	-6.43547
B	6.3334	-3.98598
C	-6.3334	3.98598

Round answers to 2 decimals.

Distance squared
$$d^2 = (x_2 - x_1)^2 + (y_2 - y_1)^2$$

Slope
$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

---

(1) ☐ $= (AB)^2$
Compute distance squared of $\overline{AB}$.

(2) ☐ $= (AC)^2$
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(5) ☐ $= m_{AB}$
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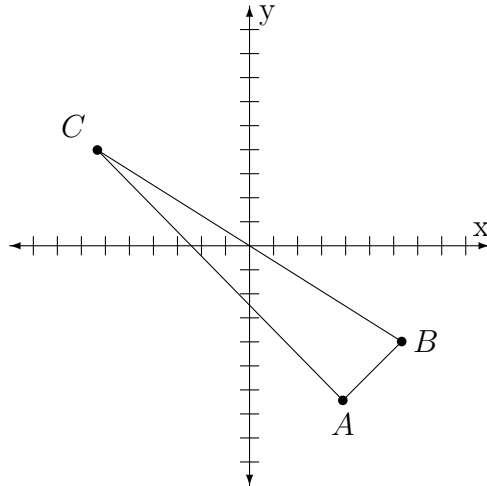(C) Looks can be deceiving.
(D) All of the above.

Version 1

(1) 44	(5) -2
(2) 37	(6) 0.5
(3) 81	(7) -1
(4) 81	
(8) D	

Version 2

(1) 56	(5) -2
(2) 140	(6) 0.5
(3) 196	(7) -1
(4) 196	
(8) D	

Version 3

(1) 39	(5) 5
(2) 157	(6) -0.2
(3) 196	(7) -1
(4) 196	
(8) D	

Version 4

(1) 21	(5) 0.5
(2) 28	(6) -2
(3) 49	(7) -1
(4) 49	
(8) D	

Version 5

(1) 39	(5) -0.5
(2) 10	(6) 2.13
(3) 49	(7) -1.07
(4) 50	
(8) D	

Version 6

(1) 62	(5) -1
(2) 19	(6) 1.03
(3) 81	(7) -1.03
(4) 82	
(8) D	

Version 7

(1) 90	(5) -0.5
(2) 79	(6) 2
(3) 169	(7) -1
(4) 169	
(8) D	

Version 8

(1) 10	(5) 5
(2) 26	(6) -0.2
(3) 36	(7) -1
(4) 36	
(8) D	

Version 9

(1) 116	(5) 0.5
(2) 140	(6) -1.98
(3) 256	(7) -0.99
(4) 257	
(8) D	

Version 10

(1) 88	(5) 2
(2) 168	(6) -0.5
(3) 256	(7) -1
(4) 256	
(8) D	

Version 11

(1) 12	(5) -5
(2) 24	(6) 0.2
(3) 36	(7) -1
(4) 36	
(8) D	

Version 12

(1) 177	(5) 0.2
(2) 79	(6) -5
(3) 256	(7) -1
(4) 256	
(8) D	

Version 13

(1) 95	(5) 2
(2) 101	(6) -0.5
(3) 196	(7) -1
(4) 196	
(8) D	

Version 14

(1) 55	(5) 1
(2) 9	(6) -1
(3) 64	(7) -1
(4) 64	
(8) D	

Version 15

(1) 75	(5) 2
(2) 25	(6) -0.51
(3) 100	(7) -1.02
(4) 99	
(8) D	

Version 16

(1) 14	(5) 0.5
(2) 11	(6) -2
(3) 25	(7) -1
(4) 25	
(8) D	

Version 17

(1) 30	(5) -0.1
(2) 19	(6) 10
(3) 49	(7) -1
(4) 49	
(8) D	

Version 18

(1) 27	(5) 5
(2) 9	(6) -0.23
(3) 36	(7) -1.15
(4) 35	
(8) D	

Version 19

(1) 210	(5) -10
(2) 15	(6) 0.1
(3) 225	(7) -1
(4) 225	
(8) D	

Version 20

(1) 30	(5) 0.5
(2) 19	(6) -2.11
(3) 49	(7) -1.06
(4) 48	
(8) D	

Version 21

(1) 62	(5) 0.1
(2) 134	(6) -10
(3) 196	(7) -1
(4) 196	
(8) D	

Version 22

(1) 112	(5) 1
(2) 84	(6) -0.99
(3) 196	(7) -0.99
(4) 197	
(8) D	

Version 23

(1) 67	(5) 5
(2) 14	(6) -0.2
(3) 81	(7) -1
(4) 81	
(8) D	

Version 24

(1) 14	(5) -2
(2) 130	(6) 0.51
(3) 144	(7) -1.02
(4) 145	
(8) D	

Version 25

(1) 12	(5) 1
(2) 213	(6) -1.02
(3) 225	(7) -1.02
(4) 224	
(8) D	