Batch 50630fe4

All the Angles

Version 1

Match name to example from diagram.

1. Straight Angle
2. Right Angle
3. Acute Angle
4. Vertex of \( \angle BPC \)
5. Obtuse Angle
6. One Side of \( \angle BPC \)

\[
\begin{array}{cccc}
\text{A} & \text{B} & \text{C} & \text{D} \\
\text{E} & \text{F} & \text{P} & \text{B} \\
\end{array}
\]

\(-\rightarrow\) \(\overrightarrow{PC} \perp \overrightarrow{AD}\) and \(\overrightarrow{PF} \perp \overrightarrow{BE}\).

\(P\) is the intersections of \(\overrightarrow{AD}\) and \(\overrightarrow{BE}\).

Match relationship to a pair of angles.

7. Congruent*
8. Linear Pair
9. Complementary
10. Vertical Pair
11. Adjacent*
12. Supplementary*

\[
\begin{array}{cccc}
\text{A} & \text{B} & \text{C} & \text{D} \\
\text{E} & \text{F} & \text{P} & \text{B} \\
\end{array}
\]

\(\text{A} \angle APE \) and \(\angle BPD\)

\(\text{B} \angle APF \) and \(\angle EPF\)

\(\text{C} \angle APB \) and \(\angle BPC\)

\(\text{D} \angle APC \) and \(\angle BPF\)

\(\text{E} \angle APF \) and \(\angle DPF\)

\(\text{F} \angle CPE \) and \(\angle DPF\)

* but does not satisfy any of the other relationships.
Batch 50630fe4

All the Angles

Version 2

Match name to example from diagram.

(1) [ ] Acute Angle
(2) [ ] Right Angle
(3) [ ] Vertex of \(\angle BPC\)
(4) [ ] One Side of \(\angle BPC\)
(5) [ ] Straight Angle
(6) [ ] Obtuse Angle

(A) \(\overrightarrow{BC}\)
(B) \(\overrightarrow{PC}\)
(C) \(B\)
(D) \(P\)
(E) \(\angle APC\)
(F) \(\angle APD\)
(G) \(\angle DPE\)
(H) \(C\)
(I) \(\angle APE\)

\(P\) is the intersection of \(\overrightarrow{AD}\) and \(\overrightarrow{BE}\).
\(\overrightarrow{PC} \perp \overrightarrow{AD}\) and \(\overrightarrow{PF} \perp \overrightarrow{BE}\).

Match relationship to a pair of angles.

(7) [ ] Linear Pair
(8) [ ] Vertical Pair
(9) [ ] Congruent*
(10) [ ] Supplementary*
(11) [ ] Adjacent*
(12) [ ] Complementary

(A) \(\angle APB\) and \(\angle APF\)
(B) \(\angle APB\) and \(\angle APE\)
(C) \(\angle BPC\) and \(\angle CPD\)
(D) \(\angle APF\) and \(\angle BPC\)
(E) \(\angle APB\) and \(\angle DPE\)
(F) \(\angle APC\) and \(\angle BPF\)

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) □ Vertex of $\angle BPC$  (A) $C$
(2) □ Obtuse Angle  (B) $B$
(3) □ Straight Angle  (C) $\angle EPF$
(4) □ Right Angle  (D) $BC$
(5) □ Acute Angle  (E) $PB$
(6) □ One Side of $\angle BPC$  (F) $\angle BPE$

\[ P \text{ is the intersections of } \overrightarrow{AD} \text{ and } \overrightarrow{BE}. \]
\[ PC \perp AD \text{ and } PF \perp BE. \]

Match relationship to a pair of angles.

(7) □ Linear Pair  (A) $\angle APB$ and $\angle DPE$
(8) □ Vertical Pair  (B) $\angle BPF$ and $\angle CPD$
(9) □ Congruent*  (C) $\angle APC$ and $\angle APF$
(10) □ Adjacent*  (D) $\angle APF$ and $\angle BPC$
(11) □ Supplementary*  (E) $\angle BPF$ and $\angle EPF$
(12) □ Complementary  (F) $\angle APB$ and $\angle APF$

* but does not satisfy any of the other relationships.
All the Angles

Match name to example from diagram.

(1) ☐ Obtuse Angle
(2) ☐ Acute Angle
(3) ☐ Vertex of \( \angle BPC \)
(4) ☐ Straight Angle
(5) ☐ Right Angle
(6) ☐ One Side of \( \angle BPC \)

(7) ☐ Complementary
(8) ☐ Congruent*
(9) ☐ Supplementary*
(10) ☐ Adjacent*
(11) ☐ Vertical Pair
(12) ☐ Linear Pair

\[ P \text{ is the intersections of } \overrightarrow{AD} \text{ and } \overrightarrow{BE}. \]
\[ \overrightarrow{PC} \perp \overrightarrow{AD} \text{ and } \overrightarrow{PF} \perp \overrightarrow{BE}. \]

* but does not satisfy any of the other relationships.
Batch 50630fe4

All the Angles

Version 5

Match name to example from diagram.

(1)  One Side of $\angle DPF$
(2)  Right Angle
(3)  Straight Angle
(4)  Acute Angle
(5)  Obtuse Angle
(6)  Vertex of $\angle DPF$

(1)  $\text{A}$
(2)  $\text{B}$
(3)  $\text{C}$
(4)  $\text{D}$
(5)  $\text{E}$
(6)  $\text{F}$

$P$ is the intersection of $\overrightarrow{AD}$ and $\overrightarrow{BE}$. $\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7)  Complementary
(8)  Supplementary*
(9)  Congruent*
(10) Vertical Pair
(11) Linear Pair
(12) Adjacent*

(7)  $\angle BPF$ and $\angle EPF$
(8)  $\angle APB$ and $\angle APF$
(9)  $\angle BPC$ and $\angle BPF$
(10) $\angle APF$ and $\angle BPC$
(11) $\angle APC$ and $\angle EPF$
(12) $\angle APE$ and $\angle BPD$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) ☐ Obtuse Angle
(2) ☐ Right Angle
(3) ☐ Vertex of $\angle BPE$
(4) ☐ Straight Angle
(5) ☐ Acute Angle
(6) ☐ One Side of $\angle BPE$

(A) $B$
(B) $\angle BPE$
(C) $\angle BPD$
(D) $BE$
(E) $E$
(F) $P$
(G) $\overrightarrow{PE}$
(H) $\angle DPE$
(I) $\angle EPF$

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) ☐ Congruent*
(8) ☐ Linear Pair
(9) ☐ Adjacent*
(10) ☐ Vertical Pair
(11) ☐ Supplementary*
(12) ☐ Complementary

(A) $\angle APB$ and $\angle BPC$
(B) $\angle APC$ and $\angle BPF$
(C) $\angle APF$ and $\angle BPC$
(D) $\angle BPC$ and $\angle BPF$
(E) $\angle APB$ and $\angle DPE$
(F) $\angle APB$ and $\angle BPD$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) Vertex of $\angle BPC$  
(2) Acute Angle  
(3) Right Angle  
(4) One Side of $\angle BPC$  
(5) Straight Angle  
(6) Obtuse Angle  

[Diagram showing angles and points]

$P$ is the intersection of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.  
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) Linear Pair  
(8) Congruent*  
(9) Adjacent*  
(10) Complementary  
(11) Supplementary*  
(12) Vertical Pair  

(A) $\angle CPE$ and $\angle DPF$  
(B) $\angle BPC$ and $\angle CPE$  
(C) $\angle APB$ and $\angle DPE$  
(D) $\angle CPD$ and $\angle EPF$  
(E) $\angle BPC$ and $\angle BPF$  
(F) $\angle APB$ and $\angle APF$

* but does not satisfy any of the other relationships.
Batch 50630fe4

All the Angles

Version 8

Match name to example from diagram.

(1) □ One Side of $\angle DPF$  
(A) $\angle DPE$

(2) □ Acute Angle  
(B) $D$

(3) □ Straight Angle  
(C) $P$

(4) □ Obtuse Angle  
(D) $\overrightarrow{PD}$

(5) □ Vertex of $\angle DPF$  
(E) $\angle BPE$

(6) □ Right Angle  
(F) $\angle APE$

(7) □ $\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) □ Complementary  
(A) $\angle APB$ and $\angle APF$

(8) □ Linear Pair  
(B) $\angle APE$ and $\angle BPD$

(9) □ Vertical Pair  
(C) $\angle APC$ and $\angle BPF$

(10) □ Adjacent*  
(D) $\angle BPD$ and $\angle DPE$

(11) □ Supplementary*  
(E) $\angle CPE$ and $\angle DPF$

(12) □ Congruent*  
(F) $\angle BPC$ and $\angle BPF$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) [ ] Right Angle  
(2) [ ] Acute Angle  
(3) [ ] One Side of $\angle APF$  
(4) [ ] Straight Angle  
(5) [ ] Vertex of $\angle APF$  
(6) [ ] Obtuse Angle

\[ \begin{array}{c}
\text{(A) } \angle BPD \\
\text{(B) } \angle EPF \\
\text{(C) } \angle BPC \\
\text{(D) } \angle BPE \\
\text{(E) } \overrightarrow{PA} \\
\text{(F) } A \\
\text{(G) } \overrightarrow{AF} \\
\text{(H) } F \\
\text{(I) } P
\end{array} \]

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) [ ] Complementary  
(8) [ ] Supplementary*  
(9) [ ] Linear Pair  
(10) [ ] Adjacent*  
(11) [ ] Vertical Pair  
(12) [ ] Congruent*

\[ \begin{array}{c}
\text{(A) } \angle APB \text{ and } \angle DPE \\
\text{(B) } \angle CPE \text{ and } \angle DPF \\
\text{(C) } \angle APB \text{ and } \angle APF \\
\text{(D) } \angle BPC \text{ and } \angle CPE \\
\text{(E) } \angle BPC \text{ and } \angle BPF \\
\text{(F) } \angle BPF \text{ and } \angle CPD
\end{array} \]

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) Straight Angle
(2) One Side of $\angle BPC$
(3) Vertex of $\angle BPC$
(4) Obtuse Angle
(5) Acute Angle
(6) Right Angle

(A) $\overrightarrow{BC}$
(B) $P$
(C) $\overrightarrow{PB}$
(D) $\angle BPD$
(E) $\angle EPF$
(F) $C$
(G) $\angle APF$
(H) $\angle APD$
(I) $B$

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) Vertical Pair
(8) Congruent*
(9) Linear Pair
(10) Complementary
(11) Supplementary*
(12) Adjacent*

(A) $\angle CPE$ and $\angle DPF$
(B) $\angle APB$ and $\angle DPE$
(C) $\angle APC$ and $\angle APF$
(D) $\angle APC$ and $\angle BPF$
(E) $\angle BPF$ and $\angle EPF$
(F) $\angle APB$ and $\angle BPC$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) □ Acute Angle
(2) □ Obtuse Angle
(3) □ Straight Angle
(4) □ One Side of ∠CPE
(5) □ Right Angle
(6) □ Vertex of ∠CPE

(A) ∠APD
(B) PE
(C) ∠APB
(D) ∠APE
(E) P
(F) CE
(G) C
(H) E
(I) ∠EPF

P is the intersections of AD and BE.

PC ⊥ AD and PF ⊥ BE.

Match relationship to a pair of angles.

(7) □ Congruent*
(8) □ Adjacent*
(9) □ Complementary
(10) □ Vertical Pair
(11) □ Supplementary*
(12) □ Linear Pair

(A) ∠APB and ∠BPC
(B) ∠APB and ∠DPE
(C) ∠APC and ∠EPF
(D) ∠BPC and ∠BPF
(E) ∠APE and ∠DPE
(F) ∠APF and ∠BPC

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) [ ] One Side of $\angle APF$  
(A) $\vec{AF}$
(2) [ ] Obtuse Angle  
(B) $\angle BPE$
(3) [ ] Straight Angle  
(C) $\angle BPF$
(4) [ ] Right Angle  
(D) $P$
(5) [ ] Vertex of $\angle APF$  
(E) $F$
(6) [ ] Acute Angle  
(F) $\angle APB$
(G) $A$
(H) $\angle BPD$
(I) $\vec{PF}$

Match relationship to a pair of angles.

(7) [ ] Congruent*  
(A) $\angle APF$ and $\angle DPF$
(8) [ ] Supplementary*  
(B) $\angle APF$ and $\angle EPF$
(9) [ ] Adjacent*  
(C) $\angle APB$ and $\angle BPC$
(10) [ ] Complementary  
(D) $\angle APB$ and $\angle DPE$
(11) [ ] Vertical Pair  
(E) $\angle BPF$ and $\angle CPD$
(12) [ ] Linear Pair  
(F) $\angle CPE$ and $\angle DPF$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) One Side of $\angle APD$  
(2) Acute Angle  
(3) Vertex of $\angle APD$  
(4) Obtuse Angle  
(5) Straight Angle  
(6) Right Angle

(A) $\angle BPD$  
(B) $\overrightarrow{AD}$  
(C) $\angle CPD$  
(D) $D$  
(E) $P$  
(F) $\angle APB$  
(G) $A$  
(H) $\overrightarrow{PA}$  
(I) $\angle BPE$

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.  
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) Complementary  
(8) Vertical Pair  
(9) Linear Pair  
(10) Supplementary*  
(11) Congruent*  
(12) Adjacent*

(A) $\angle CPD$ and $\angle EPF$  
(B) $\angle BPC$ and $\angle CPE$  
(C) $\angle APF$ and $\angle BPC$  
(D) $\angle APB$ and $\angle BPC$  
(E) $\angle BPC$ and $\angle CPD$  
(F) $\angle APE$ and $\angle BPD$  

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) □ Obtuse Angle
(2) □ Straight Angle
(3) □ One Side of $\angle BPF$
(4) □ Vertex of $\angle BPF$
(5) □ Acute Angle
(6) □ Right Angle

(A) $\overrightarrow{BF}$
(B) $B$
(C) $F$
(D) $P$
(E) $\angle DPE$
(F) $\angle BPE$
(G) $\angle APC$
(H) $\angle BPD$
(I) $\overrightarrow{PB}$

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$. $\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) □ Complementary
(8) □ Supplementary*
(9) □ Vertical Pair
(10) □ Adjacent*
(11) □ Linear Pair
(12) □ Congruent*

(A) $\angle BPF$ and $\angle CPD$
(B) $\angle APB$ and $\angle APF$
(C) $\angle CPE$ and $\angle DPF$
(D) $\angle BPC$ and $\angle CPE$
(E) $\angle APE$ and $\angle BPD$
(F) $\angle APC$ and $\angle APF$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) Straight Angle
(2) Obtuse Angle
(3) Right Angle
(4) Vertex of $\angle APD$
(5) One Side of $\angle APD$
(6) Acute Angle

- $\angle DPE$
- $\overrightarrow{PA}$
- $\angle APD$
- $P$
- $A$
- $\angle APC$
- $AD$
- $\angle APE$
- $D$

**Diagram:**

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) Supplementary*
(8) Vertical Pair
(9) Linear Pair
(10) Adjacent*
(11) Complementary
(12) Congruent*

- $\angle CPE$ and $\angle DPF$
- $\angle APC$ and $\angle EPF$
- $\angle BPC$ and $\angle BPF$
- $\angle APE$ and $\angle DPE$
- $\angle APB$ and $\angle APF$
- $\angle APE$ and $\angle BPD$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) Straight Angle
(2) Acute Angle
(3) One Side of $\angle APF$
(4) Right Angle
(5) Vertex of $\angle APF$
(6) Obtuse Angle

(A) $A$
(B) $\angle BPE$
(C) $P$
(D) $\angle APC$
(E) $F$
(F) $\overrightarrow{PA}$
(G) $\overrightarrow{AF}$
(H) $\angle APF$
(I) $\angle BPD$

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) Adjacent*
(8) Congruent*
(9) Vertical Pair
(10) Linear Pair
(11) Supplementary*
(12) Complementary

(A) $\angle APC$ and $\angle BPF$
(B) $\angle APB$ and $\angle BPC$
(C) $\angle APF$ and $\angle BPC$
(D) $\angle APF$ and $\angle EPF$
(E) $\angle APF$ and $\angle DPF$
(F) $\angle APB$ and $\angle DPE$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) ☐ One Side of $\angle APF$  
(2) ☐ Vertex of $\angle APF$  
(3) ☐ Straight Angle  
(4) ☐ Obtuse Angle  
(5) ☐ Right Angle  
(6) ☐ Acute Angle  

\[\text{(A) } \angle BPD \]
\[\text{(B) } \angle BPE \]
\[\text{(C) } \angle CPD \]
\[\text{(D) } \overrightarrow{PA} \]
\[\text{(E) } F \]
\[\text{(F) } \overrightarrow{AF} \]
\[\text{(G) } A \]
\[\text{(H) } P \]
\[\text{(I) } \angle DPE \]

\[\text{P is the intersections of } \overrightarrow{AD} \text{ and } \overrightarrow{BE}. \]
\[\text{PC} \perp \overrightarrow{AD} \text{ and } \text{PF} \perp \overrightarrow{BE}. \]

Match relationship to a pair of angles.

(7) ☐ Adjacent*  
(8) ☐ Congruent*  
(9) ☐ Linear Pair  
(10) ☐ Complementary  
(11) ☐ Supplementary*  
(12) ☐ Vertical Pair  

\[\text{(A) } \angle APB \text{ and } \angle APE \]
\[\text{(B) } \angle APB \text{ and } \angle BPC \]
\[\text{(C) } \angle APF \text{ and } \angle BPC \]
\[\text{(D) } \angle BPC \text{ and } \angle BPF \]
\[\text{(E) } \angle BPF \text{ and } \angle CPD \]
\[\text{(F) } \angle APE \text{ and } \angle BPD \]

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) □ Acute Angle
(2) □ Straight Angle
(3) □ Obtuse Angle
(4) □ Right Angle
(5) □ One Side of $\angle APB$
(6) □ Vertex of $\angle APB$

(A) $\overrightarrow{PB}$
(B) $A$
(C) $B$
(D) $\angle CPD$
(E) $\angle APD$
(F) $\angle BPD$
(G) $\angle DPE$
(H) $\overrightarrow{AB}$
(I) $P$

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$. $\overrightarrow{PC}\perp \overrightarrow{AD}$ and $\overrightarrow{PF}\perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) □ Adjacent*$^*$
(8) □ Supplementary*$^*$
(9) □ Complementary
(10) □ Congruent*$^*$
(11) □ Vertical Pair
(12) □ Linear Pair

(A) $\angle APB$ and $\angle DPE$
(B) $\angle APC$ and $\angle BPF$
(C) $\angle APF$ and $\angle BPC$
(D) $\angle BPF$ and $\angle EPF$
(E) $\angle APB$ and $\angle APF$
(F) $\angle APF$ and $\angle EPF$

*$^*$ but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) □ Vertex of $\angle BPD$  
(A) $\angle CPD$ 

(2) □ Obtuse Angle  
(B) $\angle BPC$ 

(3) □ One Side of $\angle BPD$  
(C) $\vec{PD}$ 

(4) □ Right Angle  
(D) $B$ 

(5) □ Acute Angle  
(E) $\angle BPD$ 

(6) □ Straight Angle  
(F) $P$ 

(G) $\angle APD$ 
(H) $\vec{D}$ 

(I) $\vec{BD}$

$P$ is the intersection of $\vec{AD}$ and $\vec{BE}$.
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) □ Congruent*  
(A) $\angle APF$ and $\angle DPF$ 

(8) □ Complementary  
(B) $\angle APF$ and $\angle EPF$ 

(9) □ Linear Pair  
(C) $\angle APC$ and $\angle EPF$ 

(10) □ Adjacent*  
(D) $\angle APB$ and $\angle DPE$ 

(11) □ Supplementary*  
(E) $\angle APF$ and $\angle BPC$ 

(12) □ Vertical Pair  
(F) $\angle APB$ and $\angle APF$ 

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) Acute Angle
(2) Straight Angle
(3) One Side of ∠APD
(4) Obtuse Angle
(5) Right Angle
(6) Vertex of ∠APD

(A) A
(B) ∠APD
(C) ∠DPE
(D) AD
(E) D
(F) ∠APE
(G) P
(H) PA
(I) ∠APC

P is the intersections of →AD and →BE.
→PC ⊥ →AD and →PF ⊥ →BE.

Match relationship to a pair of angles.

(7) Adjacent*
(8) Congruent*
(9) Vertical Pair
(10) Supplementary*
(11) Linear Pair
(12) Complementary

(A) ∠BPC and ∠BPF
(B) ∠BPC and ∠CPE
(C) ∠APB and ∠DPE
(D) ∠APB and ∠APF
(E) ∠APC and ∠BPF
(F) ∠APF and ∠BPC

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) ☐ Obtuse Angle  (A) $E$
(2) ☐ One Side of $\angle CPE$  (B) $C$
(3) ☐ Acute Angle  (C) $\angle BPD$
(4) ☐ Vertex of $\angle CPE$  (D) $CE$
(5) ☐ Right Angle  (E) $P$
(6) ☐ Straight Angle  (F) $\angle APB$

$P$ is the intersections of $\rightarrow AD$ and $\rightarrow BE$. $\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) ☐ Vertical Pair  (A) $\angle BPC$ and $\angle BPF$
(8) ☐ Congruent*  (B) $\angle BPC$ and $\angle CPE$
(9) ☐ Adjacent*  (C) $\angle CPD$ and $\angle EPF$
(10) ☐ Supplementary*  (D) $\angle APB$ and $\angle BPC$
(11) ☐ Linear Pair  (E) $\angle APF$ and $\angle BPC$
(12) ☐ Complementary  (F) $\angle APE$ and $\angle BPD$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

1. Acute Angle
2. Straight Angle
3. Right Angle
4. Obtuse Angle
5. Vertex of $\angle BPC$
6. One Side of $\angle BPC$

A. $\angle CPD$
B. $\overrightarrow{PB}$
C. $B$
D. $\overrightarrow{BC}$
E. $P$
F. $\angle APB$
G. $\angle BPE$
H. $C$
I. $\angle APE$

$P$ is the intersections of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.
$PC \perp \overrightarrow{AD}$ and $PF \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

7. Vertical Pair
8. Supplementary*
9. Linear Pair
10. Complementary
11. Adjacent*
12. Congruent*

A. $\angle CPD$ and $\angle EPF$
B. $\angle APB$ and $\angle BPC$
C. $\angle BPC$ and $\angle CPD$
D. $\angle APE$ and $\angle BPD$
E. $\angle CPE$ and $\angle DPF$
F. $\angle APC$ and $\angle CPD$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) □ Vertex of \( \angle CPE \)  
(A) \( C \)  
(B) \( \angle EPF \)  
(C) \( \overrightarrow{CE} \)  

(2) □ Acute Angle  
(D) \( \angle BPD \)  
(E) \( E \)  
(F) \( P \)  

(3) □ Straight Angle  
(G) \( \angle BPE \)  

(4) □ Obtuse Angle  
(H) \( \angle BPC \)  

(5) □ Right Angle  
(I) \( \overrightarrow{PE} \)  

(6) □ One Side of \( \angle CPE \)  

\[ \begin{align*} 
P & \text{ is the intersections of } \overrightarrow{AD} \text{ and } \overrightarrow{BE}. \\
\overrightarrow{PC} & \perp \overrightarrow{AD} \text{ and } \overrightarrow{PF} \perp \overrightarrow{BE}. 
\end{align*} \]

Match relationship to a pair of angles.

(7) □ Supplementary*  
(A) \( \angle APF \) and \( \angle DPF \)  

(8) □ Vertical Pair  
(B) \( \angle APE \) and \( \angle BPD \)  

(9) □ Complementary  
(C) \( \angle CPD \) and \( \angle EPF \)  

(10) □ Congruent*  
(D) \( \angle CPE \) and \( \angle DPF \)  

(11) □ Linear Pair  
(E) \( \angle APB \) and \( \angle APF \)  

(12) □ Adjacent*  
(F) \( \angle BPC \) and \( \angle CPD \)  

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) □ Right Angle  (A) $\angle DPE$
(2) □ Obtuse Angle  (B) $\angle APE$
(3) □ One Side of $\angle BPD$  (C) $B$
(4) □ Acute Angle  (D) $\angle APD$
(5) □ Vertex of $\angle BPD$  (E) $\angle EPF$
(6) □ Straight Angle  (F) $\overrightarrow{BD}$

$P$ is the intersection of $\overrightarrow{AD}$ and $\overrightarrow{BE}$.
$\overrightarrow{PC} \perp \overrightarrow{AD}$ and $\overrightarrow{PF} \perp \overrightarrow{BE}$.

Match relationship to a pair of angles.

(7) □ Adjacent*  (A) $\angle APB$ and $\angle APF$
(8) □ Congruent*  (B) $\angle BPF$ and $\angle CPD$
(9) □ Linear Pair  (C) $\angle BPF$ and $\angle EPF$
(10) □ Vertical Pair  (D) $\angle BPC$ and $\angle CPD$
(11) □ Supplementary*  (E) $\angle APB$ and $\angle DPE$
(12) □ Complementary  (F) $\angle APF$ and $\angle BPC$

* but does not satisfy any of the other relationships.
Match name to example from diagram.

(1) One Side of \( \angle BPE \)  
(A) \( E \)  
(B) \( \angle BPC \)  
(C) \( \angle BPE \)  
(D) \( BE \)  
(E) \( \angle BPD \)  
(F) \( B \)  
(G) \( P \)  
(H) \( \angle EPF \)  
(I) \( \overrightarrow{PE} \)

\[ \overrightarrow{PC} \perp \overrightarrow{AD} \text{ and } \overrightarrow{PF} \perp \overrightarrow{BE}. \]

Match relationship to a pair of angles.

(7) Linear Pair  
(A) \( \angle CPE \) and \( \angle DPF \)  
(B) \( \angle BPC \) and \( \angle CPE \)  
(C) \( \angle APC \) and \( \angle EPF \)  
(D) \( \angle APF \) and \( \angle EPF \)  
(E) \( \angle APB \) and \( \angle DPE \)  
(F) \( \angle APB \) and \( \angle BPC \)

* but does not satisfy any of the other relationships.
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