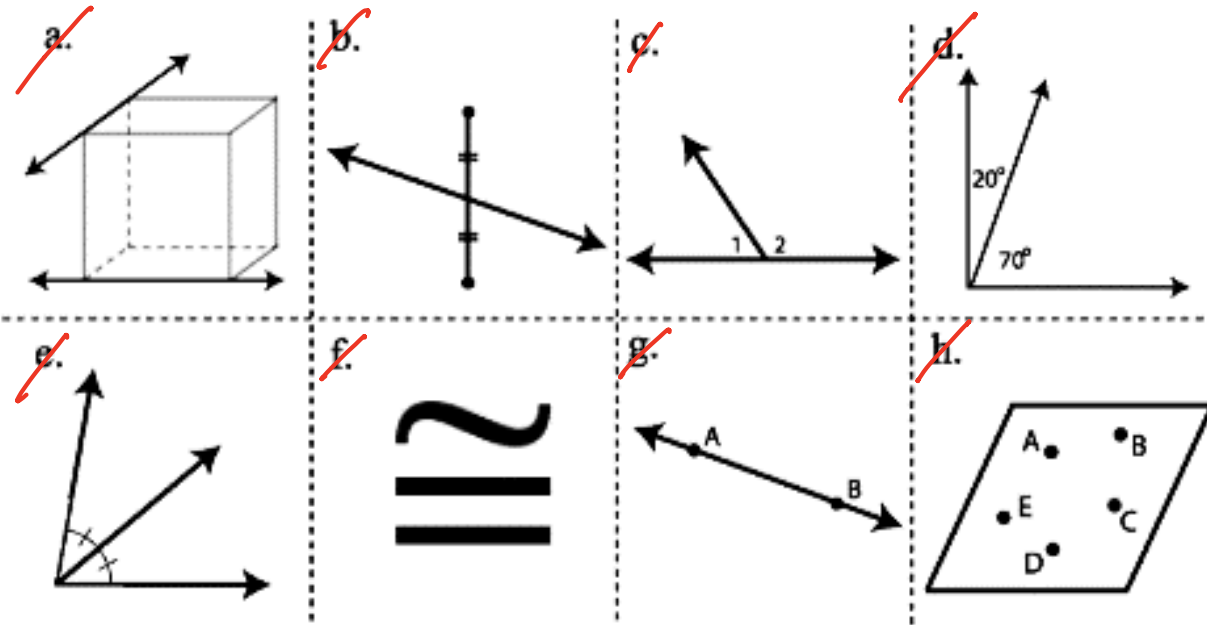


Directions: Match each of the following pictures with the vocabulary listed below.



1. G Line AB
2. C Linear Pair Angles
3. H Coplanar points
4. F Congruent (Symbol)
5. A Skew lines
6. D Complementary Angles
7. B Segment bisector
8. E Angle bisector

Important Vocabulary		Picture
Vertical Angles:	Two \angle 's across from each other. They are \cong . $\angle 1 \cong \angle 4$ $\angle 2 \cong \angle 3$ $\angle 5 \cong \angle 8$ $\angle 6 \cong \angle 7$	
Corresponding Angles:	Two \angle 's on opposite sides of the parallel lines. They are \cong . $\angle 1 \cong \angle 5$ $\angle 2 \cong \angle 6$ $\angle 3 \cong \angle 7$ $\angle 4 \cong \angle 8$	
Alternate Interior Angles:	Two \angle 's inside the parallel lines on opposite sides of the transversal. They are \cong . $\angle 3 \cong \angle 6$ $\angle 4 \cong \angle 5$	
Alternate Exterior Angles:	Two \angle 's outside the parallel lines on opposite sides of the transversal. They are \cong . $\angle 1 \cong \angle 8$ $\angle 2 \cong \angle 7$	
Linear Pair:	Two \angle 's adjacent to each other that add up to 180° . They are supplementary. $\angle 1 + \angle 2 = 180^\circ$ $\angle 7 + \angle 8 = 180^\circ$	
Consecutive Interior Angles:	Two \angle 's adjacent to each other inside the parallel lines on the same side of the transversal. They are supplementary. $\angle 3 + \angle 5 = 180^\circ$ $\angle 4 + \angle 6 = 180^\circ$	
Consecutive Exterior Angles:	Two \angle 's outside the parallel lines on the same side of the transversal. They are supplementary. $\angle 1 + \angle 7 = 180^\circ$ $\angle 2 + \angle 8 = 180^\circ$	

Directions: Draw and label three types of triangles classified by angles. All \angle 's in a Δ add up to 180°

Name:	Right Δ	Acute Δ	Obtuse Δ
Picture:			
Definition:	Δ w/ one $\angle = 90^\circ$ and two \angle 's $< 90^\circ$	Δ w/ all \angle 's $< 90^\circ$	Δ w/ one $\angle > 90^\circ$ and two \angle 's $< 90^\circ$

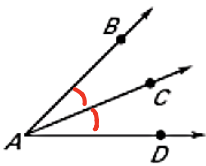
Directions: Draw and label three types of triangles classified by sides.

Name:	Isosceles Δ	Equilateral Δ	Scalene Δ
Picture:			
Definition:	Δ w/ 2 \cong sides	Δ w/ all \cong sides	Δ w/ NO \cong sides

(right beside each other)

Are the indicated angles adjacent?

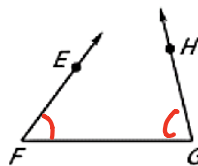
1. Yes $\angle BAC$ and $\angle CAD$ 2. Yes $\angle EFG$ and $\angle HGF$ 3. NO $\angle JNM$ and $\angle LNK$



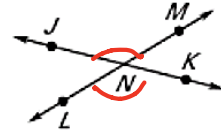
(\angle 's that add up to 90°)

$\angle 1$ and $\angle 2$ are complementary angles. Given the measure of $\angle 1$, find $m\angle 2$.

6. $m\angle 1 = 52^\circ$, $m\angle 2 = \underline{38^\circ}$ 7. $m\angle 1 = 76^\circ$, $m\angle 2 = \underline{14^\circ}$ 8. $m\angle 1 = 19^\circ$, $m\angle 2 = \underline{71^\circ}$



Vertical \angle 's



(\angle 's that add up to 180°)
 $\angle 1$ and $\angle 2$ are supplementary angles. Given the measure of $\angle 1$, find $m\angle 2$.

9. $m\angle 1 = 52^\circ$, $m\angle 2 = \underline{128^\circ}$ 10. $m\angle 1 = 76^\circ$, $m\angle 2 = \underline{104^\circ}$ 11. $m\angle 1 = 19^\circ$, $m\angle 2 = \underline{161^\circ}$

Stair Railing: A stair railing is designed as shown in the figure.

Use the angles identified in the figure to name two pairs of the indicated type of angle pair.

25. Complementary angles $\angle 1$ & $\angle 2$ $\angle 3$ & $\angle 4$

26. Supplementary angles $\angle 5$ & $\angle 6$ $\angle 7$ & $\angle 8$

28. Vertical angles $\angle 5$ & $\angle 7$ $\angle 8$ & $\angle 6$

29. Linear pair $\angle 5$ & $\angle 8$ $\angle 6$ & $\angle 7$

30. Adjacent angles $\angle 1$ & $\angle 8$ $\angle 4$ & $\angle 6$

