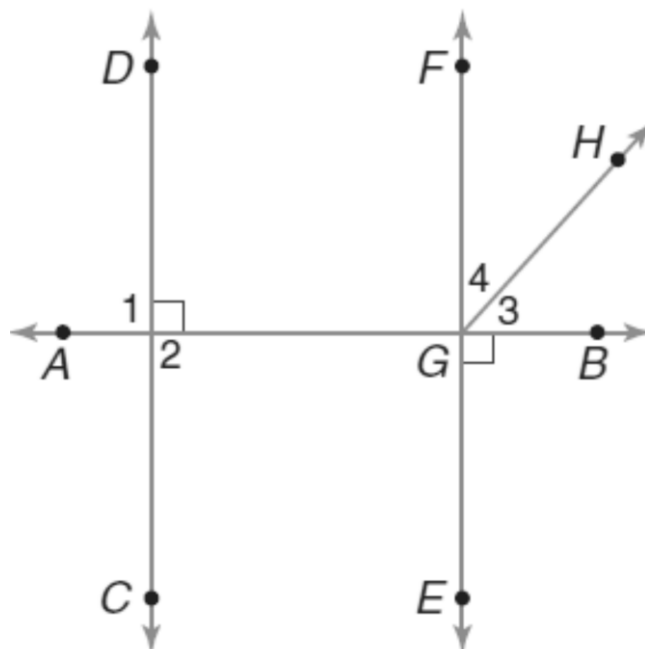


Name: _____

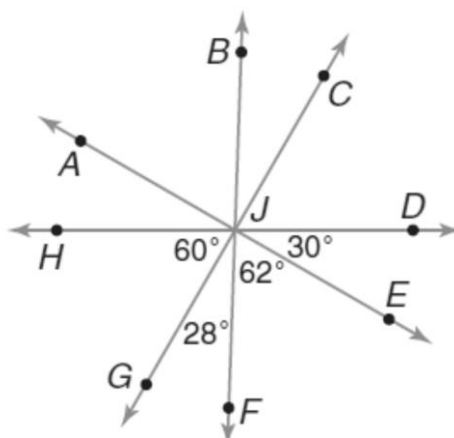
Lines Relationships

$\overline{AB} \perp \overline{CD}$ and $\overline{AB} \perp \overline{EF}$. Determine whether each of the following is true or false

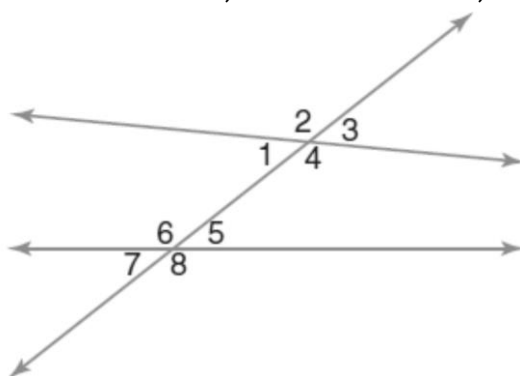


- 1) $\angle 3$ is an acute angle
- 2) $\angle 4$ is an obtuse angle
- 3) $\angle 1 \cong \angle 2$
- 4) $m\angle 3 + m\angle 4 = 90^\circ$

5) Refer to the diagram below, explain which lines, if any, are perpendicular



Identify each pair of angles as *alternate interior*, *alternate exterior*, *consecutive interior*, or *vertical*.



6) $\angle 7$ and $\angle 3$

7) $\angle 6$ and $\angle 4$

8) $\angle 8$ and $\angle 2$

9) $\angle 5$ and $\angle 1$

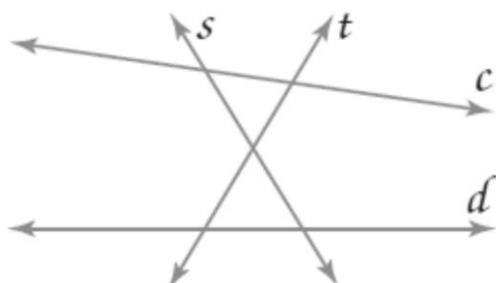
10) $\angle 1$ and $\angle 6$

11) $\angle 4$ and $\angle 5$

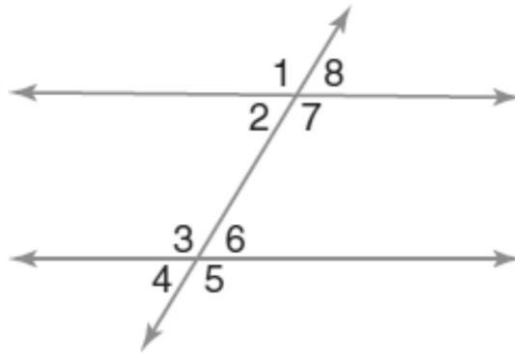
12) $\angle 3$ and $\angle 5$

13) $\angle 2$ and $\angle 6$

14) Name each transversal and the lines it intersects in the figure



Identify each pair of angles as alternate interior, alternate exterior, or consecutive interior, or vertical angles



15) $\angle 6$ and $\angle 8$

16) $\angle 6$ and $\angle 4$

17) $\angle 1$ and $\angle 3$

18) $\angle 5$ and $\angle 1$

19) $\angle 1$ and $\angle 7$

20) $\angle 4$ and $\angle 2$

21) $\angle 4$ and $\angle 8$

22) $\angle 2$ and $\angle 8$