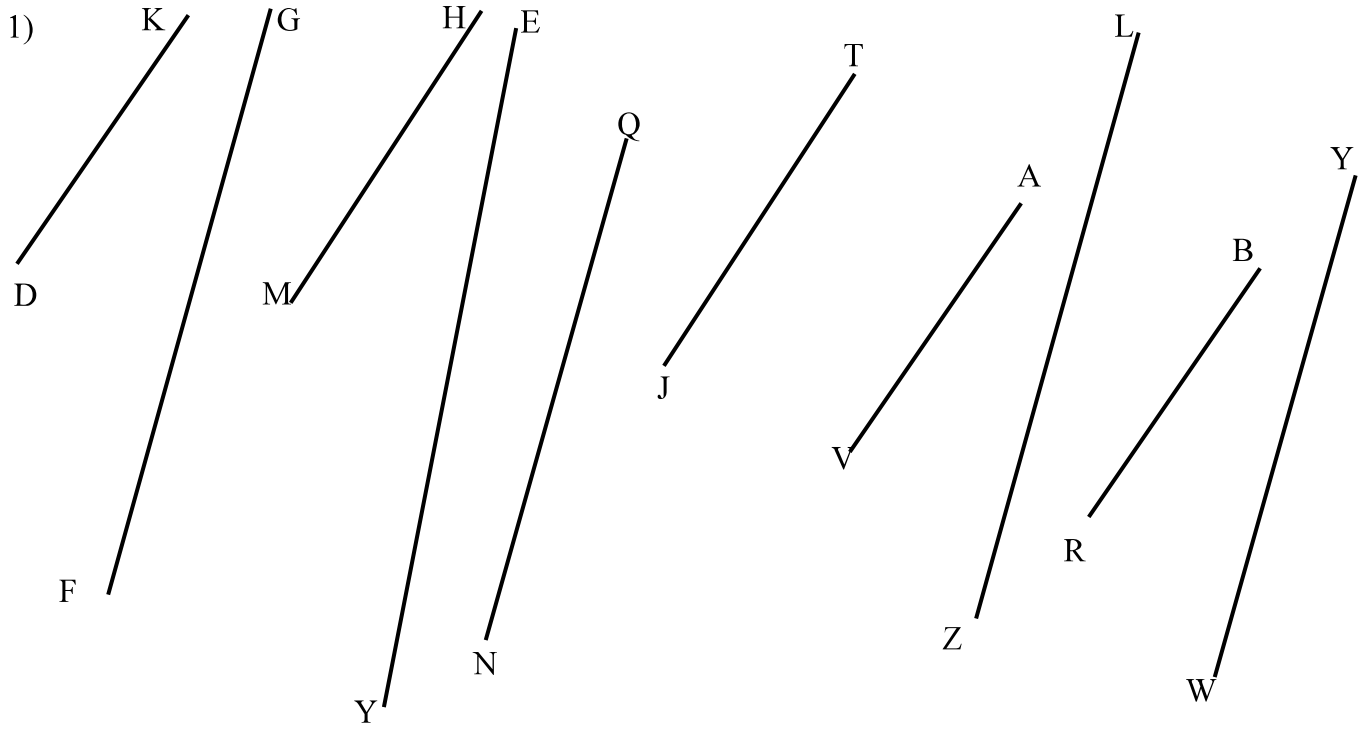
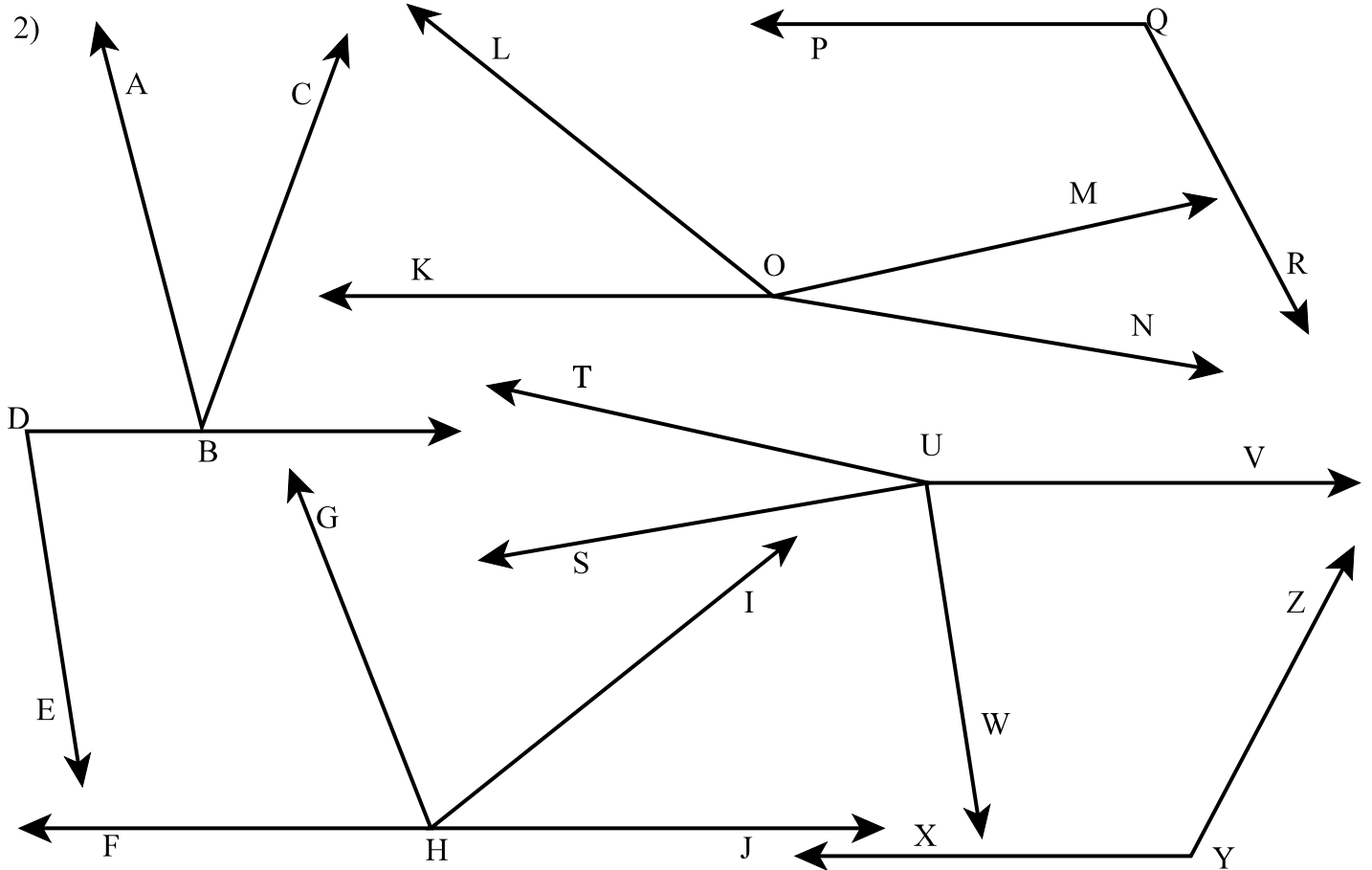


Congruence and Perpendicularity 2
Geometry

Which segments are congruent?



Which angles are congruent?



3) $\angle X \cong \angle Z$, and $m\angle X = 57^\circ$. What is the $m\angle Z$?

4) $\overline{CD} \cong \overline{FG}$. If $CD = 15\text{cm.}$, what is FG ?

5) If $\overline{TV} \cong \overline{XY}$, and $\overline{XY} \cong \overline{ZA}$, then $\overline{TV} \cong ?$.

6) $\angle J \cong \angle K$, and $\angle K \neq \angle M$. What can we conclude about $\angle J$ and $\angle M$?

7) $\angle A \cong \angle B$, $\angle B \cong \angle C$, $\angle C \cong \angle D$ We can also say that $\angle A$ is congruent to which angles?

Draw the objects as indicated in each problem.

8) $\overline{MN} \perp \overline{PQ}$

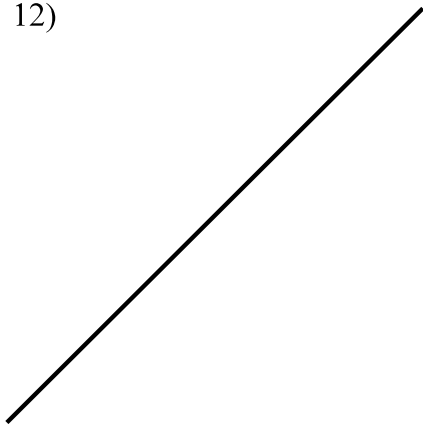
9) $\overline{TV} \perp \overline{XY}$

10) $\overline{CD} \perp \overline{CG}$

11) $\overline{AB} \perp \overline{WZ}$

Draw a perpendicular bisector of each segment below.

12)



13)

