

Geometry

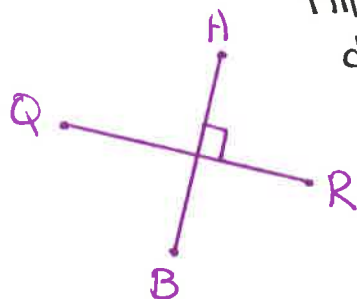
Name: _____

From symbols to images

Draw a simple diagram that fulfills each set of conditions given.

All diagrams should be drawn to scale

ex.: $\overline{AB} \perp \overline{QR}$



1) $l \parallel m \parallel p$

2) $\overleftrightarrow{AB} \perp \overline{PR}$

3) $m\angle ABC = 50^\circ$

4) $RS = 1.5 \text{ in}$

5) $\overrightarrow{XY} \perp \overrightarrow{XQ}$

6) $g \parallel m$
 $g \perp p$

7) $\angle DEF \neq \angle FER$
form a linear pair

8) $\angle 1$ & $\angle 2$ are
vertical angles
and $m\angle 2 = 63^\circ$

9) $\overline{FG} \cong \overline{HJ}$
 $\overline{FG} \parallel \overline{HJ}$

$$10) \angle ABC \cong \angle PQR$$

$$m\angle ABC = 70^\circ$$

$$11) \overline{AC} \perp \overline{DB}$$

E is the midpoint
of both $\overline{AC}$ & $\overline{DB}$

$$12) XR = PS$$

$$13) \begin{array}{l} \overrightarrow{RX} \perp \overleftrightarrow{RT} \\ \overrightarrow{TQ} \perp \overleftrightarrow{RT} \end{array}$$

$$14) \begin{array}{l} a \parallel b \parallel c \\ c \perp d \end{array}$$

$$15) \begin{array}{l} \overrightarrow{JK} \text{ is opposite} \\ \overrightarrow{JP} \end{array}$$

$$16) m\angle 1 + m\angle 2 = 90^\circ$$

$$17) GH = HK$$

$$18) AB = BC \text{ and} \\ \overline{AB} \perp BC$$

Create your own:

19)

20)

21)