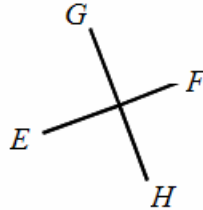
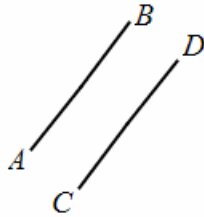


Name \_\_\_\_\_

Date \_\_\_\_\_

# Lines and Angles



Using the figures above, match each part of the circle on the left with one of the names on the right:

(a)  $\overline{AB}$  and  $\overline{CD}$

1. Not parallel or perpendicular

(b)  $\overline{EF}$  and  $\overline{GH}$

2. Parallel

(c)  $\overline{IJ}$  and  $\overline{KL}$

3. Perpendicular

Match each part of the circle on the left with one of the names on the right:

(a) obtuse angle

1. Angle that measures less than  $90^\circ$

(b) straight angle

2. Angle that measures  $90^\circ$

(c) acute angle

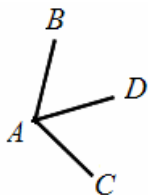
3. Angle that measures between  $90^\circ$  and  $180^\circ$

(d) reflex angle

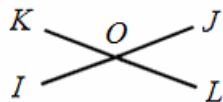
4. Angle that measures  $180^\circ$

(d) right angle

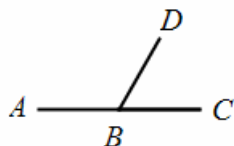
4. Angle that measures between  $180^\circ$  and  $360^\circ$



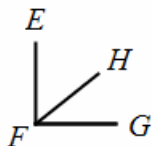
In the figure at left,  $\overline{AD}$  bisects  $\angle BAC$ . If  $m\angle BAC = 120^\circ$ , what is  $m\angle BAD$ ?



In the figure above,  $\angle IOK$  and  $\angle JOL$  are vertical angles. If  $m\angle IOK = 40^\circ$ , what is  $m\angle JOL$ ?



In the figure above,  $\angle ABD$  and  $\angle DBC$  are supplementary. If  $m\angle ABD = 120^\circ$ , what is  $m\angle DBC$ ?



In the figure above,  $\angle EFH$  and  $\angle HFG$  are complementary. If  $m\angle HFG = 37^\circ$ , what is  $m\angle EFH$ ?