Name _____     Date _____

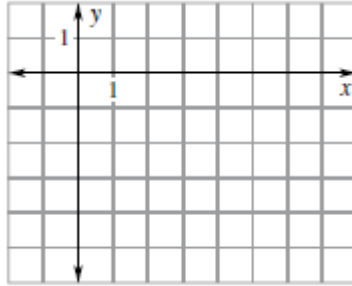**A triangle has the given vertices. Graph the triangle and classify it by its sides. Then, determine if it is a right triangle. Show All Work**

*Answers*

**1.** $A(-4, 0)$, $B(0, 6)$, $C(-4, 0)$        **2.** $A(3, -5)$, $B(7, 1)$, $C(3, 1)$
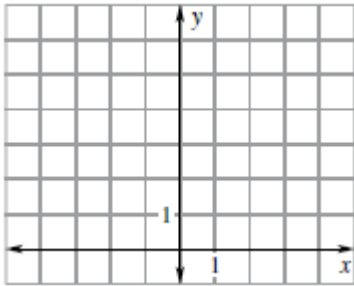
1. _____

_____

_____

2. _____

_____

_____

**In the diagram,** $ABCD \cong EFGH$**.**

**3.** Find the value of $x$.
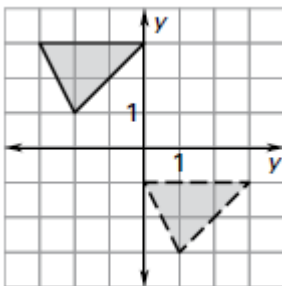
**4.** Find the value of $y$.
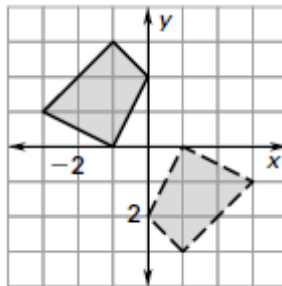
3. _____

4. _____

5. _____

_____

6. _____
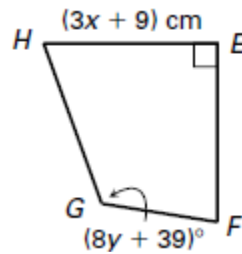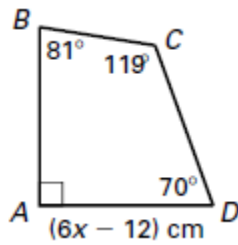
**Tell whether a rigid motion can move the solid figure onto the dashed figure. If so, describe the transformation(s) that you can use. If not, explain why the figures are not congruent.**

**5.**

**6.**