4

Name _____ Date _____

1. Consider rectangle *ABCD*.

a. Use a ruler to draw the diagonals of the rectangle.

b. Measure the diagonals and write their lengths. _____ inches _____ inches.

c. What do you notice about the diagonal lengths of the rectangle?

d. Measure the four angles around the intersection point of the diagonals. Record the measurements on the figure.

e. Are the diagonals perpendicular? How do you know?

2. Another copy of rectangle *ABCD* is shown.

   a. Use your ruler to draw the rectangle's lines of symmetry.

   A ⌐   *B*

   D ⌐   *C*
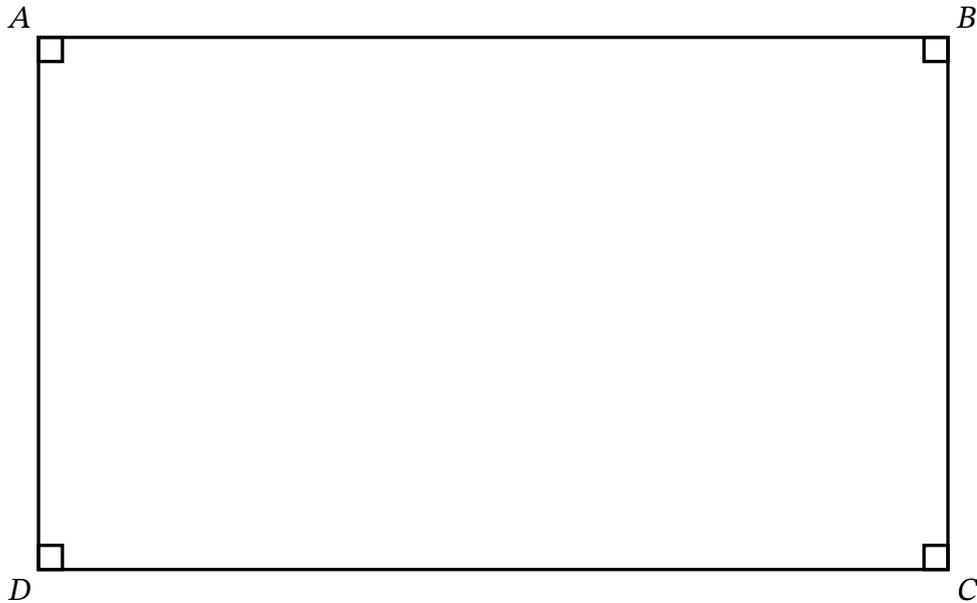
   b. Sketch a parallelogram without lines of symmetry.