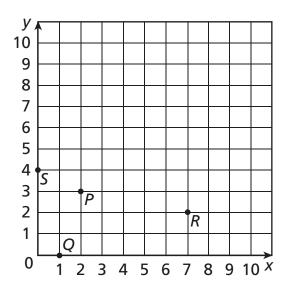
Homework

Use the coordinate plane below to answer the questions.



Write an ordered pair to represent the location of each point.

- **1.** point *P* _____

- 2. point Q _____ 3. point R ____ 4. point S ____

Plot and label a point at each location.

- **5.** point *W* at (3, 9)
- **6.** point *X* at (3, 5)
- **7.** point *Y* at (9, 5)

Solve.

8. Suppose points W, X, and Y represent three vertices of rectangle WXYZ. Where should point Z be plotted?

Plot and label point Z. Then use a ruler to draw the rectangle.

- 9. What ordered pair represents the point at the center of the rectangle?
- **10.** Use subtraction to find the lengths of segments WX and XY. Show your work.

Remembering

Divide.

- 7. a. Write the first five terms of a numerical pattern that begins with 5 and then adds 6.
 - **b.** Write an expression for the sixth term of the pattern.
 - c. Write the sixth term.
- **8. Stretch Your Thinking** List and graph four ordered pairs that are vertices of a rectangle with a perimeter of 16 units.

