

Integers and the Coordinate Plane

Use grid paper to help you solve Problems 1–5.

Show Your Work

1. Starting from the origin, what movements do you need to plot the ordered pair $(+3, -4)$? In which quadrant is this ordered pair located?

2. Start at $(+3, -4)$. If you go to the left 4 places and up 2 places, what are the coordinates of the new ordered pair?

3. Draw a pentagon on grid paper. List the ordered pairs.

4. If $x = 2$ and $y = 3$, find the coordinates for the ordered pair $(x - 3, y + 2)$.

5. India plotted the ordered pairs $(+1, +3)$, $(+3, +3)$, and $(+3, +1)$. She connected the points and said she made a square. Explain what India's mistake was. How could she correct her mistake?
