Name _____ Date _____ Period _____

LESSON 7-5 · WARM-UP

Warm-Up Practice

Represent Rational Numbers on the Coordinate Plane

THE MOVE

what this page practices

Use the signs in an ordered pair to move from the origin and name the quadrant

In (x, y) the x tells how far right (positive) or left (negative) from the origin, and the y tells how far up (positive) or down (negative). The two signs name the quadrant: (+, +) is I, (−, +) is II, (−, −) is III, (+, −) is IV.

WORKED MODEL

we do this one together

Step 1	Plot (3, −2).
Step 2	x = 3, so move 3 units _____ from the origin.
Step 3	y = −2, so move 2 units _____.
Step 4	The signs (+, −) put the point in Quadrant _____.

YOUR TURN

8 items · about 10 minutes

1. Which quadrant holds (5, −1)? _____
ANSWER _____

2. Which quadrant holds (−3, −6)? _____
ANSWER _____

3. To plot (−2, 7), move _____ units left, then _____ units up.
ANSWER _____

4. A point is 6 units left of the origin and 4 units up. Write its ordered pair. _____
ANSWER _____

5. Which quadrant holds (−1/2, 3)? _____
ANSWER _____

6. Point P is (0, −5). Is P inside a quadrant? Say where it is. _____
ANSWER _____

7. A point in Quadrant III is 3 units from the y-axis and 8 units from the x-axis. Write its ordered pair.
_____
ANSWER _____

8. Point A is (2, 5). Reflect it across the x-axis. Write the new ordered pair and name its quadrant. _____
ANSWER _____