



GRADE 6 · GEOMETRY · EXIT TICKET

# DRAWING POLYGONS IN THE COORDINATE PLANE

**Today's goal:** I can draw polygons in the coordinate plane given coordinates for the vertices and use coordinates to graph points in all four quadrants of the coordinate plane.



**REMEMBER** An ordered pair is **(x, y)**: run across first, then up or down. (3, 5) means right 3, up 5 — that is Quadrant I. (5, 3) is a **different point**. Order matters, and so does the sign: negative x goes left, negative y goes down.



**MILD**

**Tan the Turtle:** Slow and steady. Warm up!

- 1 Plot (3, 5) and name its quadrant.

Answer

- 2 Plot (−4, 2) and name its quadrant.

Answer



**MEDIUM**

**Digit the Fox:** Stretch your brain.

- 3 Draw the rectangle with vertices (1, 1), (6, 1), (6, 4) and (1, 4). List the vertices in the order you connected them.

Answer



SPICY

**Blaze the Dragon:** Bring the heat!

- 4 Three vertices of a rectangle are  $(2, 3)$ ,  $(-3, 3)$  and  $(2, -5)$ . Find the fourth vertex and explain how you knew.

Answer



**I can do this skill:** ☐ Not yet ☐ Almost ☐ Got it!