

## 4.1 The Coordinate Plane

### Objectives:

1. Locate points on a coordinate plane
2. Graph points on a coordinate plane.



**Daily HW Check**

**Box 5:Q1 Cumulative Review #16**

**Box 6:Q1 Cumulative Review #18**

Vocabulary: **Coordinate Plane:** A plane formed by two number lines that intersect at right angles.

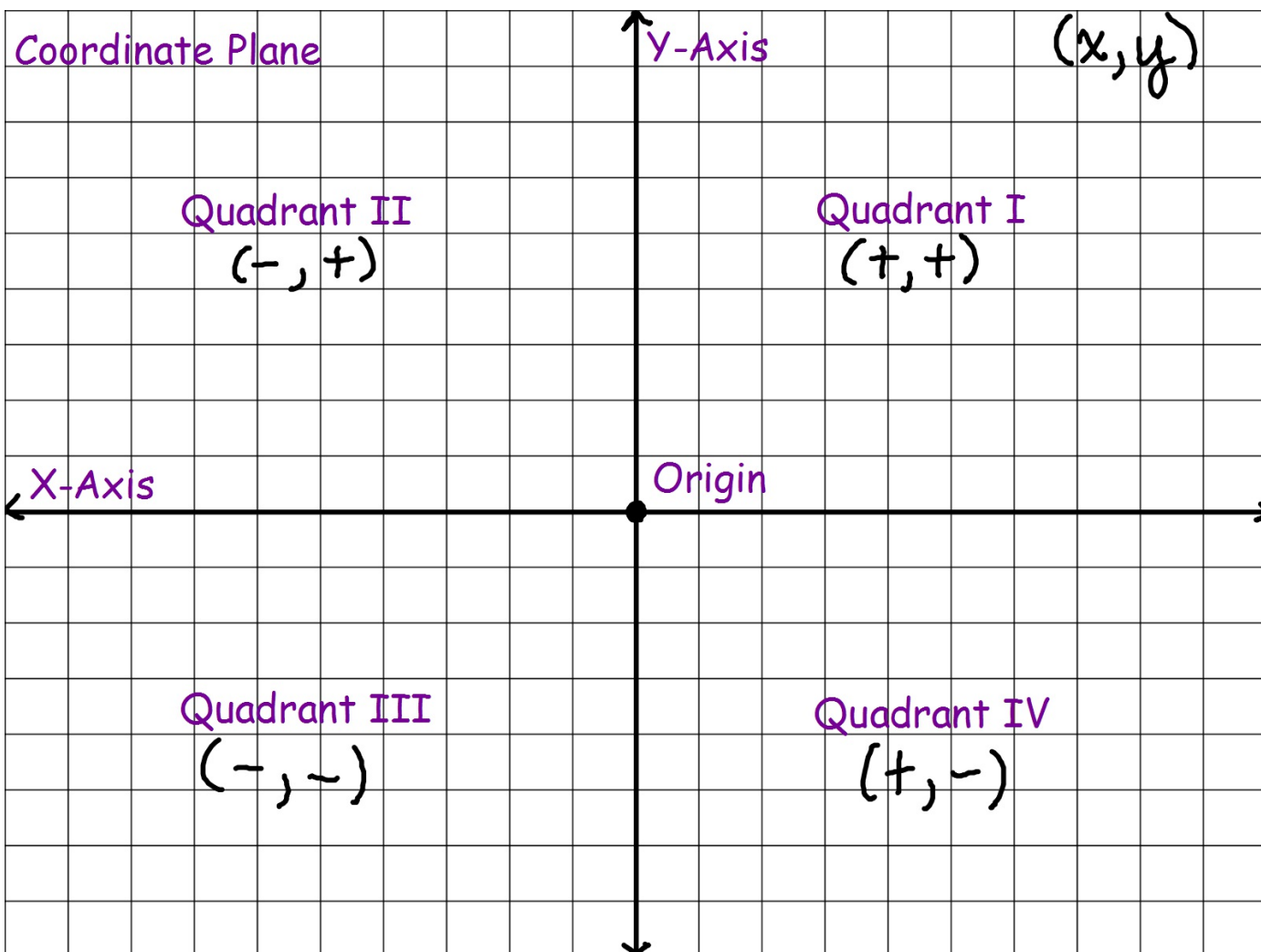
**X-Axis:** the horizontal axis of the coordinate plane.

**Y-Axis:** the vertical axis of the coordinate plane.

**Origin:** the point at which the axes of the coordinate plane intersect.

**Quadrant:** the four parts into which the coordinate plane is divided by its axes.



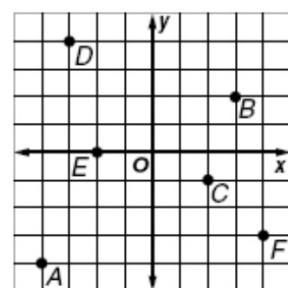


Human Coordinate Plane:

Plot the ordered pairs on the classroom grid:

1.  $(-3, 4)$
2.  $(5, 6)$
3.  $(-4, -7)$
4.  $(8, -3)$
  
5.  $(3.5, 7)$
6.  $(1/2, -5)$
7.  $(-3, 3/4)$
8.  $(-2, -2.5)$

Write the ordered pair for each point shown at the right.  
Name the quadrant in which the point is located.



- |      |                            |      |                          |
|------|----------------------------|------|--------------------------|
| 1. A | $(-4, -4)$<br>Quadrant III | 2. B | $(3, 2)$<br>Quadrant I   |
| 3. C | $(2, -1)$<br>Quadrant IV   | 4. D | $(-3, 4)$<br>Quadrant II |
| 5. E | $(-2, 0)$<br>none (x-axis) | 6. F | $(4, -3)$<br>Quadrant IV |

Plot each point on the coordinate plane at the right.

13.  $M(-3, 3)$

14.  $N(3, -2)$

15.  $P(5, 1)$

16.  $Q(-4, -3)$

17.  $R(0, 5)$

18.  $S(-1, -2)$

19.  $T(-5, 1)$

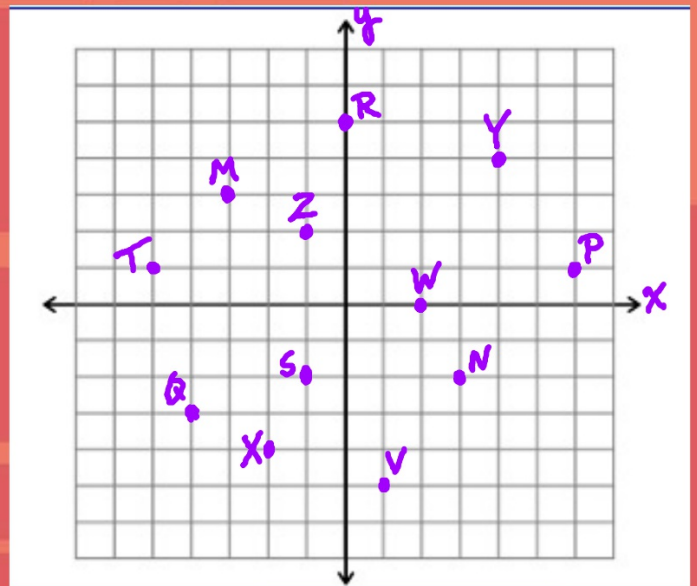
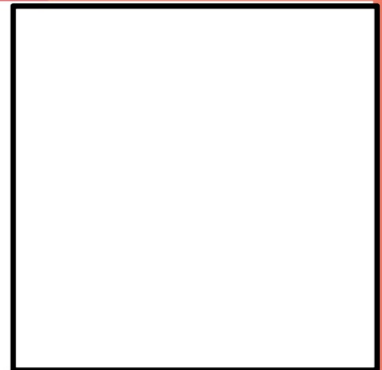
20.  $V(1, -5)$

21.  $W(2, 0)$

22.  $X(-2, -4)$

23.  $Y(4, 4)$

24.  $Z(-1, 2)$



Classwork/HW: Coordinate Plane Turkey Activity Sheet





