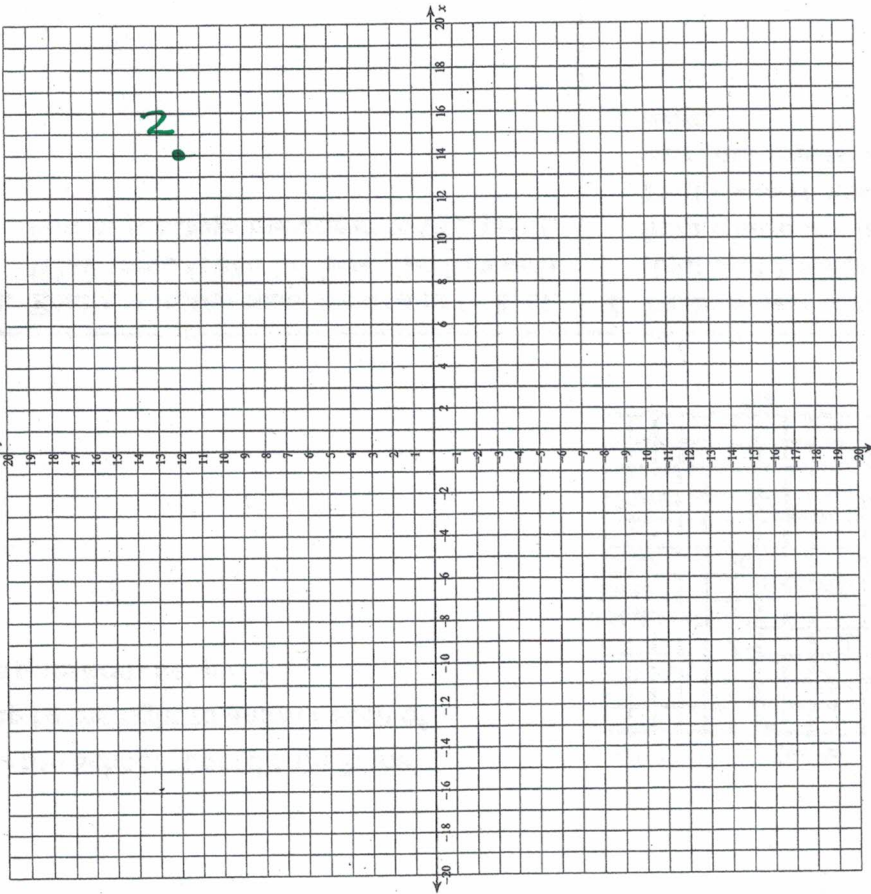


Unit 3 Homework #1 Sect. 3.1

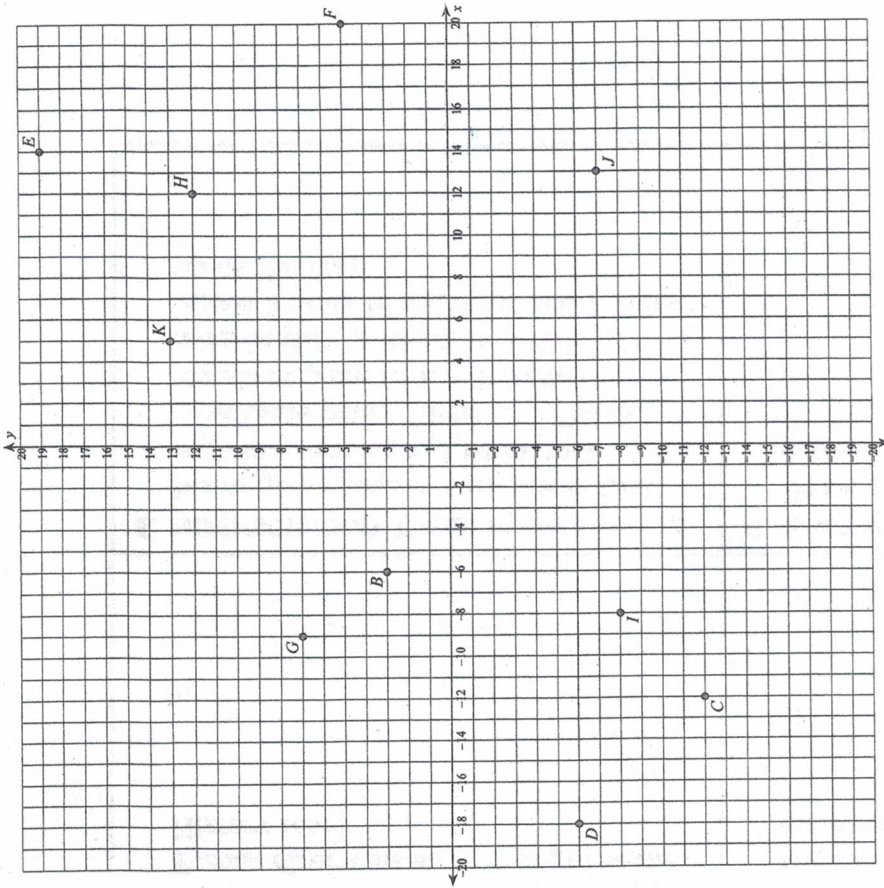
State the quadrant or axis that each point lies in and then plot the point.

- 1) $N(14, 12)$ $M(-20, -11)$ $L(9, -15)$ $K(-1, 11)$ $J(0, 5)$
- $I(18, -7)$ $H(-11, -19)$ $G(2, -13)$ $F(-11, 5)$ $E(-2, -2)$



$N(14, 12) - I$

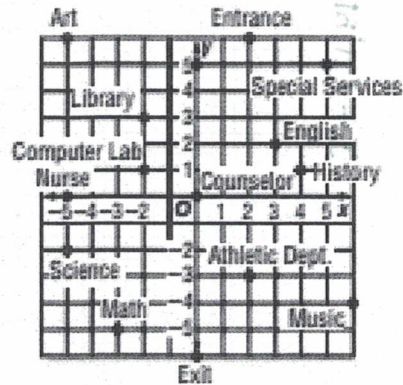
2) Points
 $K(4, 13)$



3) Complete using positive, or negative, or zero.

- a. In Quadrant II, x is _____ and y is _____
- b. In Quadrant III, x is _____ and y is _____
- c. On the y-axis x is _____
- d. On the x-axis y is _____

Use the School "Coordinate Plane" Map to the right to answer each of the questions below.



<p>1. Thalia is in the room located at $(-2, 1)$. What room is she in? Describe in words how to get from the origin to this point.</p>	<p>2. Thalia's next class is 8 units to the right and 5 units down on the map from where she is now. In what room is Thalia's next class? Find the ordered pair that represents the location of that room.</p>
<p>3. Tyrone is in the Art room, but his next class is in the History room. Give Tyrone directions on how to get to the History room.</p>	<p>4. On the map, which classrooms are located in the third quadrant? Describe the coordinates of all points in the third quadrant.</p>
<p>5. NEIGHBORHOOD Delsin made a map of his neighborhood in such a way that each intersection is a point on a coordinate plane. Right now, Delsin stands at point $(-4, -3)$. Give the ordered pair of where he will be if moves 5 units to the right and 7 units up on the map.</p>	<p>6. NEIGHBORHOOD Refer to Exercise 5. In which quadrant is Delsin when he is done walking? Describe this quadrant.</p>

pad research
 K. P. J.