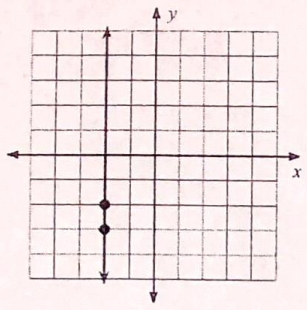
Foundations of Algebra Name_____ ID: 1

Unit Quiz Review

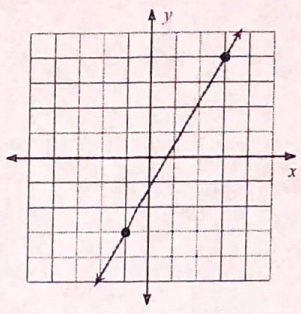
Date_____ Period____

Find the slope of each line.

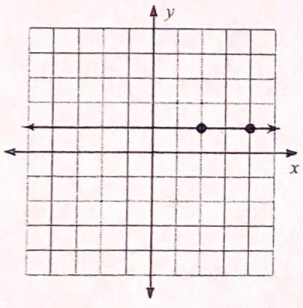
1)



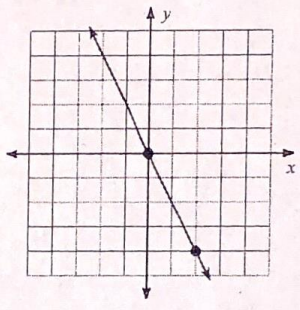
2)



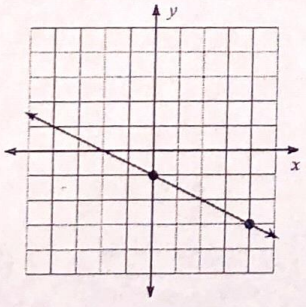
3)



4)



5)



Directions: Find the slope of the line that passes through the points give in the table.

x	y
-4	-5
-3	-2
-2	1
-1	4

x	y
-6	11
-2	1
2	-9
4	-14

Find the slope of the line through each pair of points.

6) (9, 16), (–9, 3)

7) (17, –4), (–10, –2)

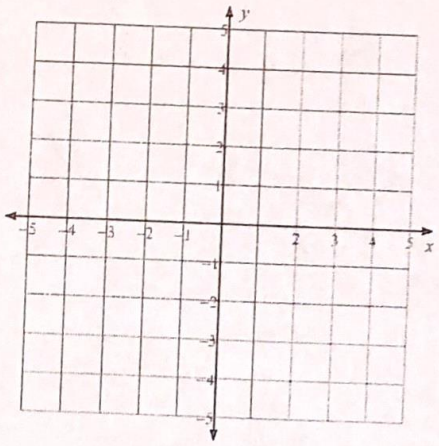
8) (–18, 12), (–18, –16)

9) (–8, –11), (–20, –13)

10) (16, 20), (14, 20)

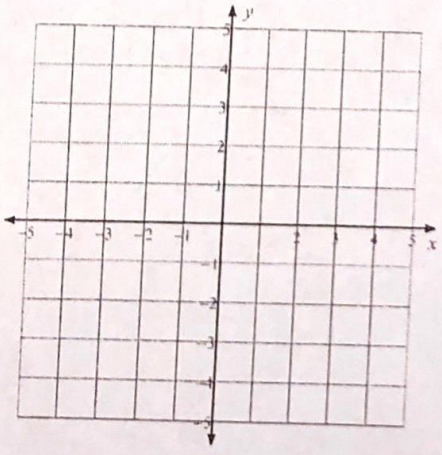
State the quadrant or axis that each point lies in.

11) $D(-2, 0)$ $E(-2, 3)$ $F(3, 1)$
$G(4, 3)$ $H(-1, 4)$ $I(-5, 3)$
$J(-3, 0)$ $K(0, -1)$ $L(-4, 0)$
$M(-4, 3)$



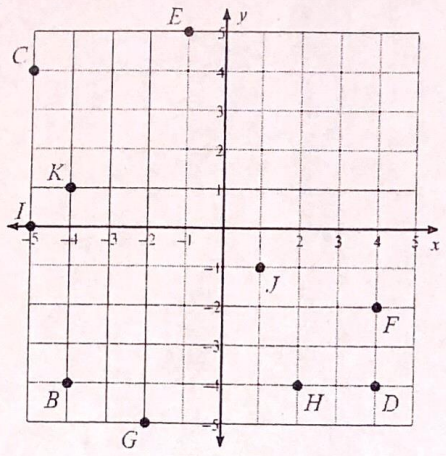
Plot each point.

12) $A(1, -1)$ $B(0, 5)$ $C(2, 1)$
$D(-3, -1)$ $E(1, 0)$ $F(-4, -4)$
$G(-5, 3)$ $H(5, -5)$ $I(3, -5)$
$J(-4, 3)$



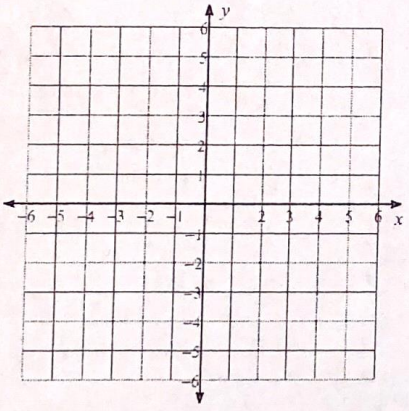
State the coordinates of each point.

13)

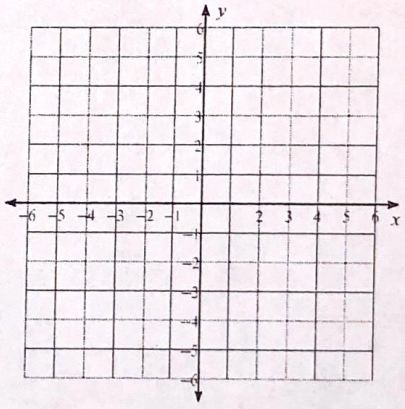


Sketch the graph of each line given the following information.

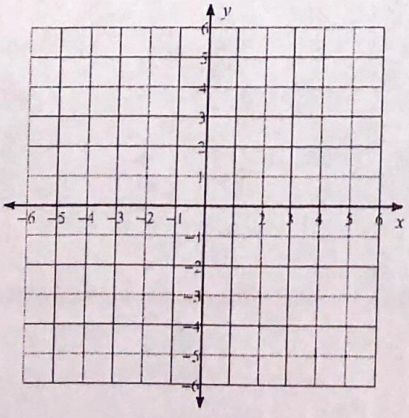
14) x-intercept = –2, y-intercept = 1



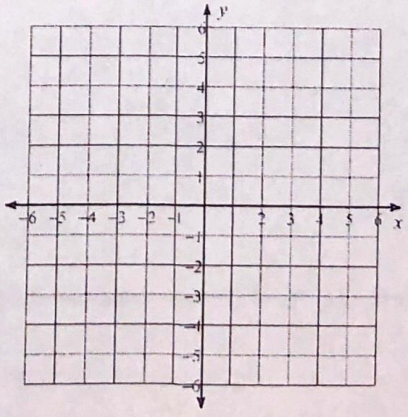
15) x-intercept = –5, y-intercept = 3



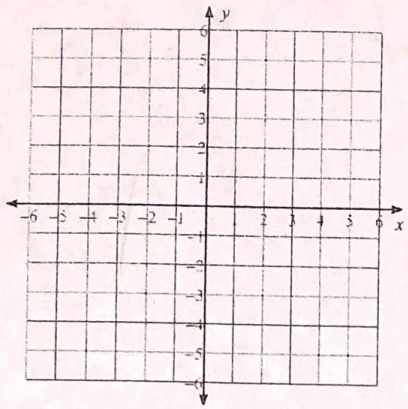
16) x-intercept = 5, y-intercept = 2



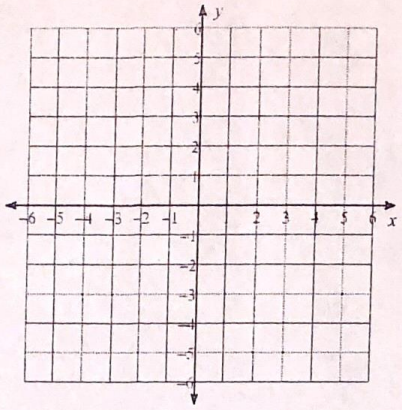
17) $x - y = 5$



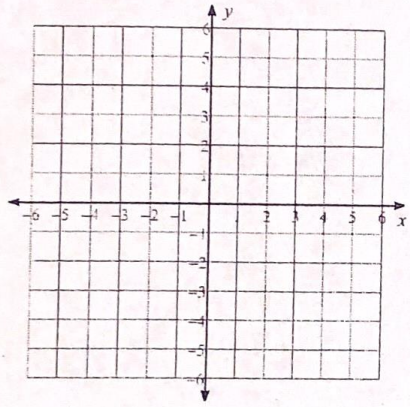
18) $5x - 3y = -12$



19) $2x + y = 4$

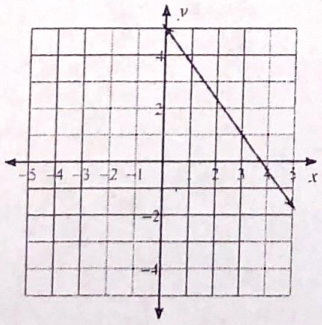


20) $3x - y = -3$

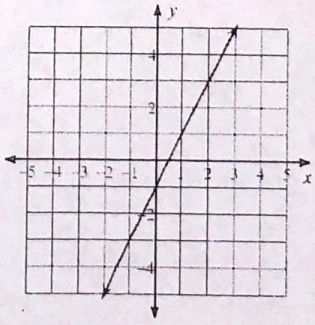


Identify the x- and y- intercepts from the graph. Write your answer as a coordinate point.

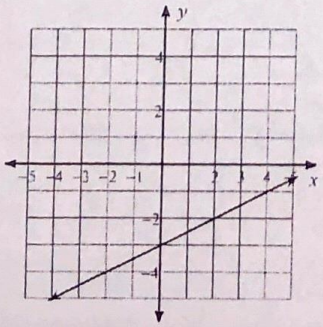
21)



22)



23)



24)