Algebra 1

Name_____

Graphing Lines

Date_____ Period____

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

1) $(12, -1), (20, -10)$

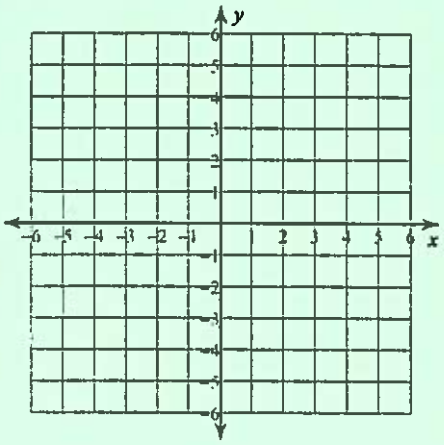
2) $(8, 13), (17, -19)$

3) $(20, 2), (20, -8)$

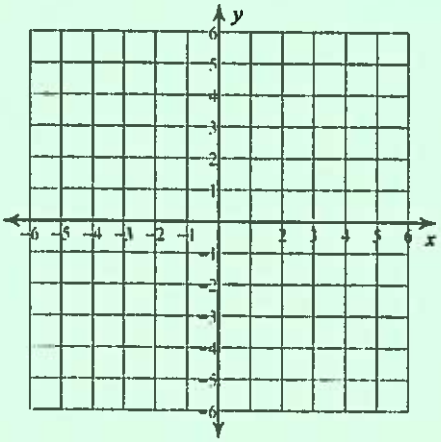
4) $(1, 17), (18, 17)$

Sketch the graph of each line.

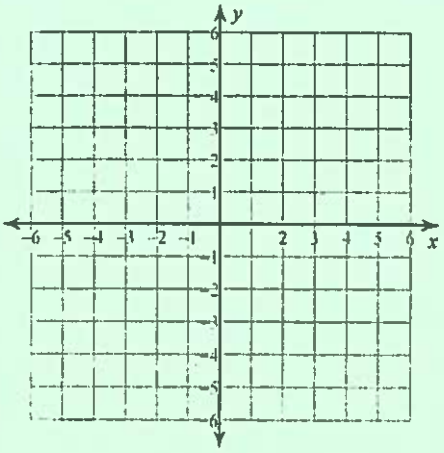
5) $x = -5$



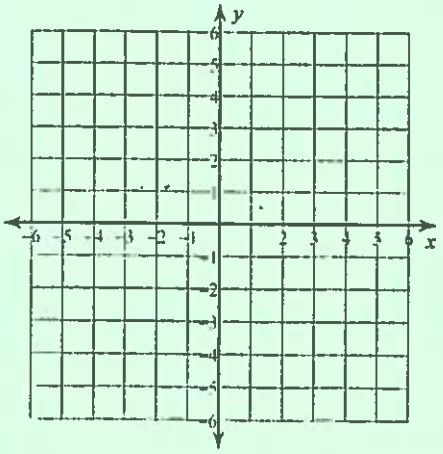
6) $y = -\frac{9}{5}x + 5$



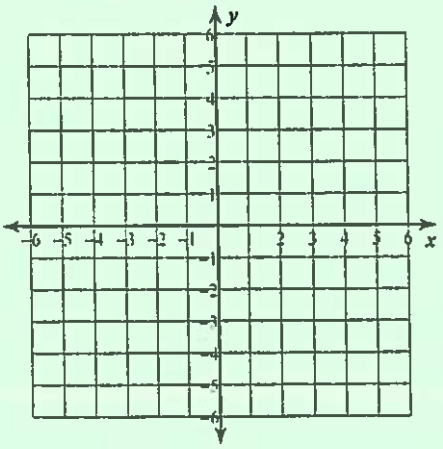
7) $y = 4$



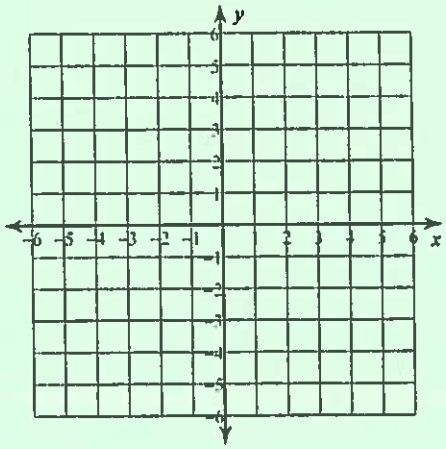
8) $x + 3y = 15$



9) $10x - y = -5$

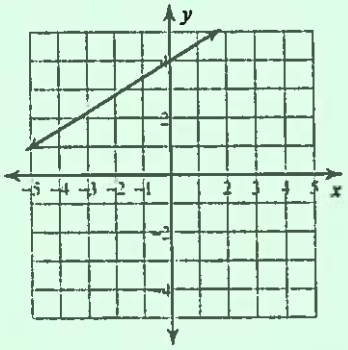


10) $7x - 2y = -6$

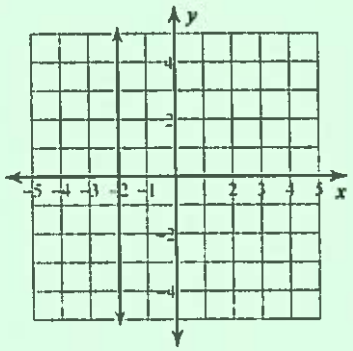


Write the slope-intercept form of the equation of each line.

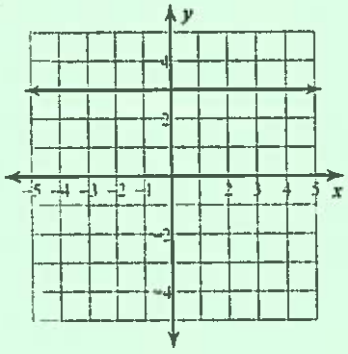
11)



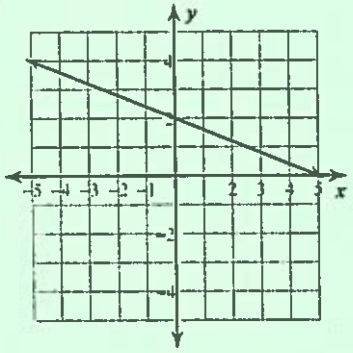
12)



13)



14)



Write the slope-intercept form of the equation of the line through the given points.

15) through: $(-3, 3)$ and $(-1, 2)$

16) through: $(2, 5)$ and $(2, -5)$

17) through: $(2, -1)$ and $(0, -5)$

18) through: $(-2, -5)$ and $(-4, -5)$