

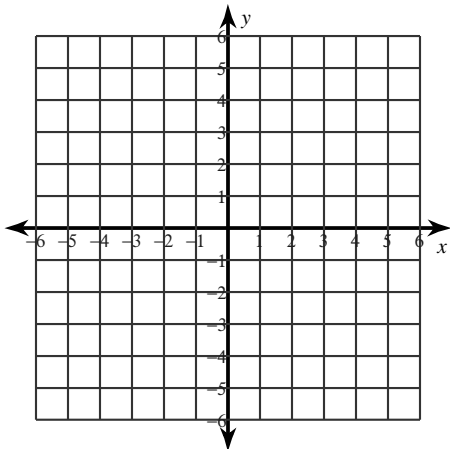
# Linear Concepts

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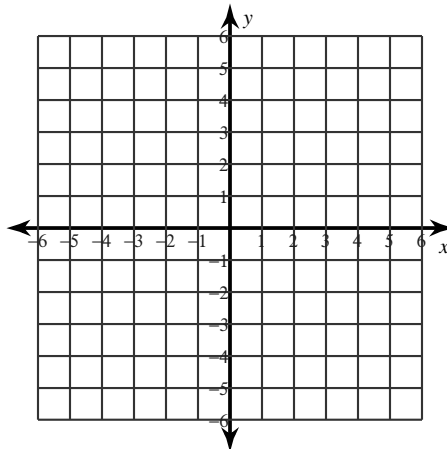
Date \_\_\_\_\_ Period \_\_\_\_\_

**Sketch the graph of each line.**

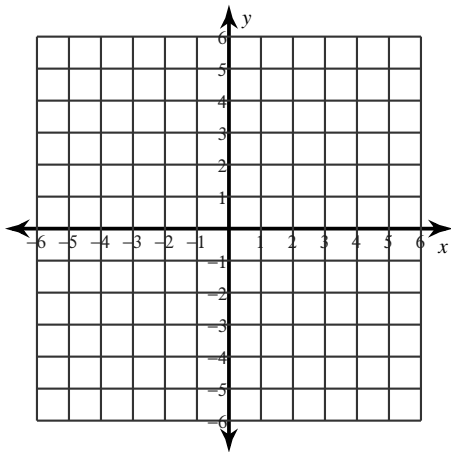
1)  $x$ -intercept =  $-1$ ,  $y$ -intercept =  $-5$



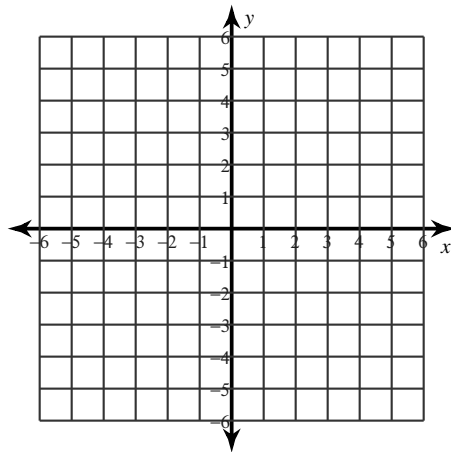
2)  $x$ -intercept =  $5$ ,  $y$ -intercept =  $4$



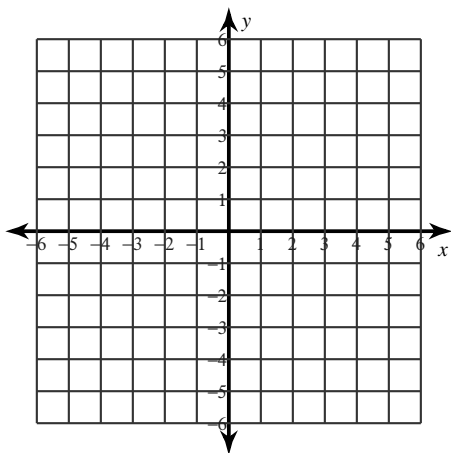
3)  $x$ -intercept = 4,  $y$ -intercept = 2



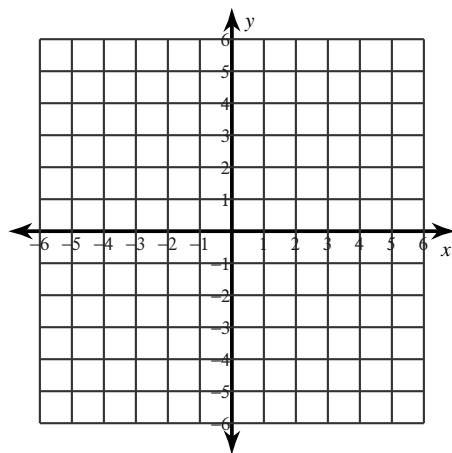
4)  $x$ -intercept = -4,  $y$ -intercept = 5



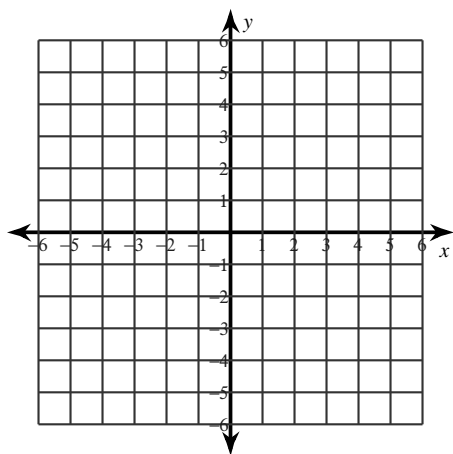
5)  $y = \frac{6}{5}x - 1$



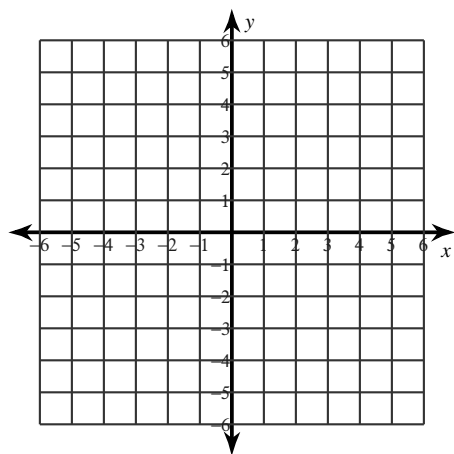
6)  $y = -\frac{1}{4}x$



$$7) y = -\frac{7}{3}x - 3$$

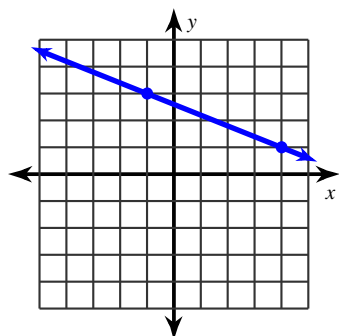


$$8) y = \frac{3}{2}x + 2$$

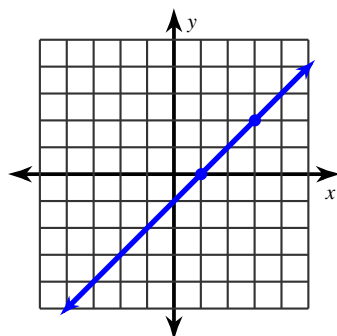


**Find the slope of each line.**

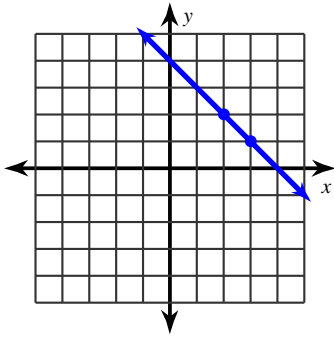
9)



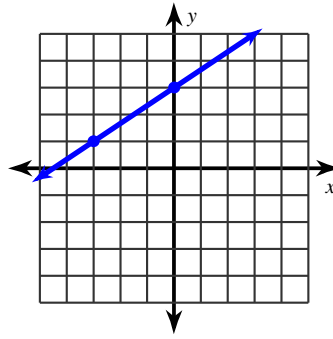
10)



11)



12)



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

13)  $(1, -6), (-16, 7)$

14)  $(-4, -11), (10, -7)$

15)  $(-12, 14), (6, -10)$

16)  $(13, -19), (-12, -13)$

17)  $(-16, 2), (-3, 13)$

18)  $(0, 1), (20, 10)$

**Find the slope of each line.**

19)  $y = 3x + 5$

20)  $y = \frac{7}{4}x + 4$

21)  $y = \frac{6}{5}x + 4$

22)  $y = -5x + 5$

23)  $8x + 5y = -25$

24)  $x - y = 3$

$$25) 5x + 3y = -9$$

$$26) 2x - y = 5$$