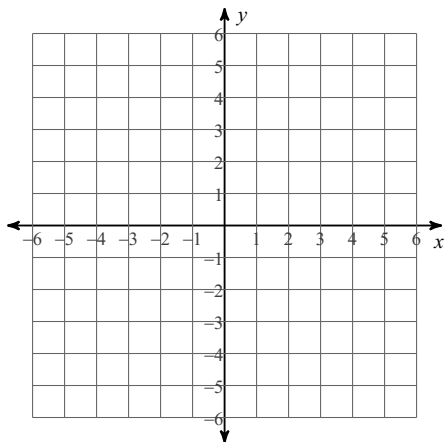


## Characteristics of Linear Functions

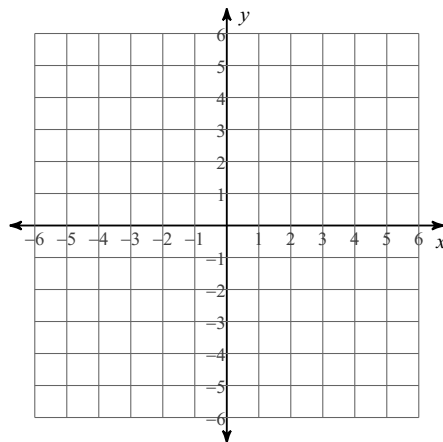
Date \_\_\_\_\_ Period \_\_\_\_\_

Sketch the graph of each line. Then identify the following; Domain, Range, x and y intercepts, Interval of Increase/Decrease and End Behavior.

1)  $2x + y = 2$

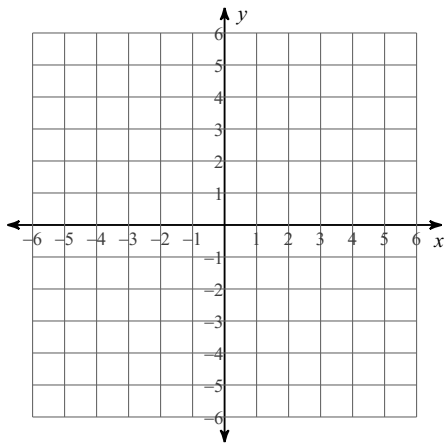


2)  $5x - y = 3$

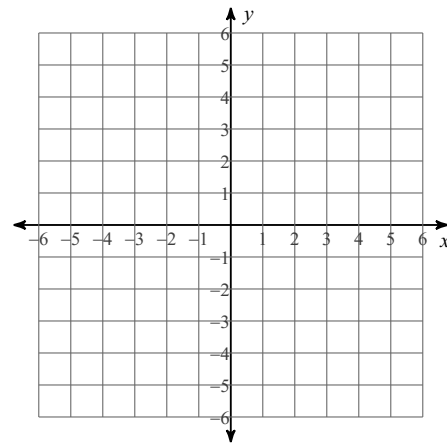


Sketch the graph of each line.

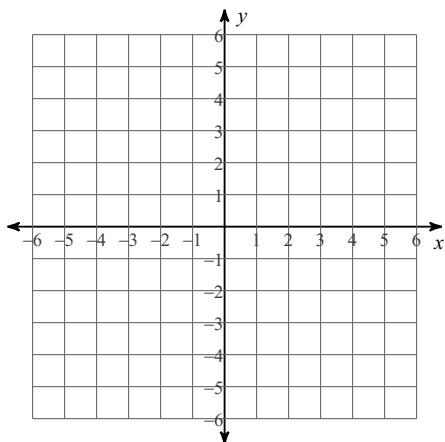
3)  $0 = -9x + 5y + 20$



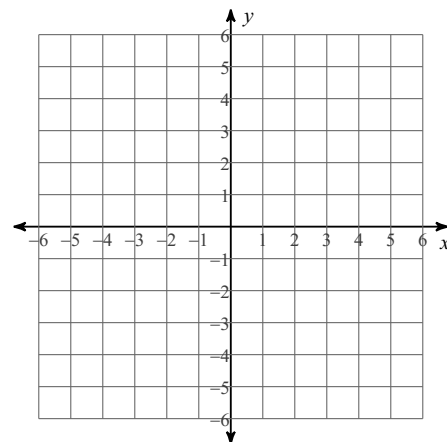
4)  $10 - 10y = -2x$



5)  $-30 + 6y - 15x = 0$

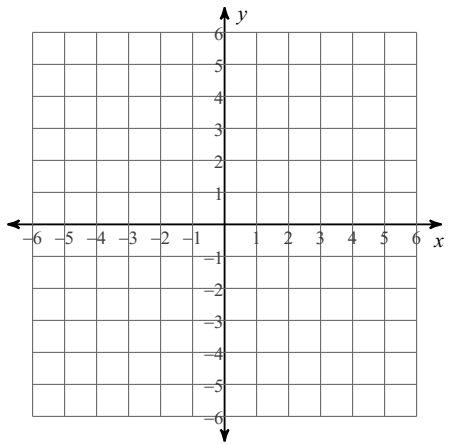


6)  $2x = -2y + 8$

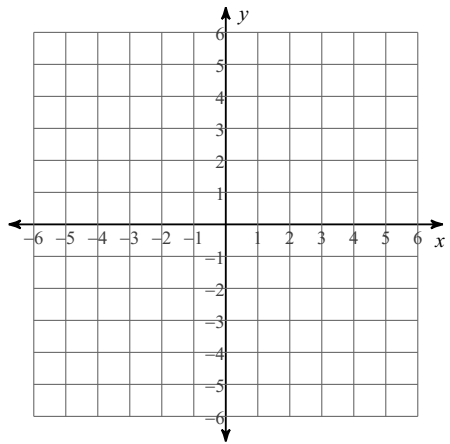


Sketch the graph of each line.

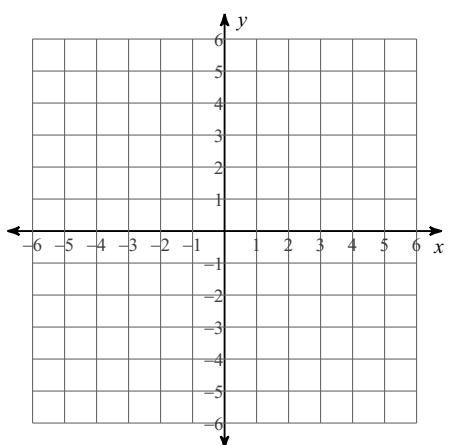
7)  $x = 1$



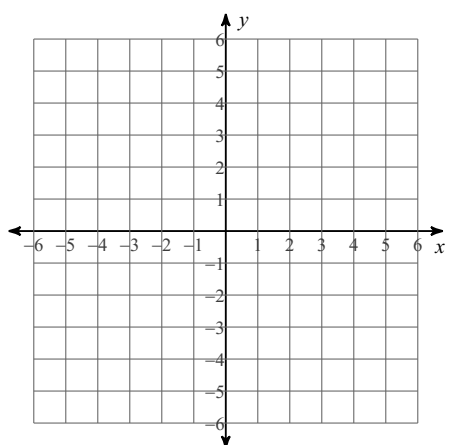
8)  $5x + 4y = -8$



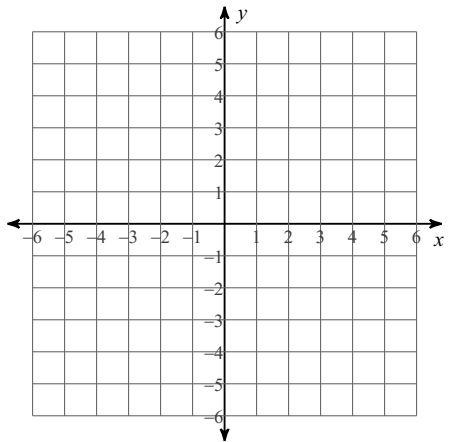
9)  $6x - y = 4$



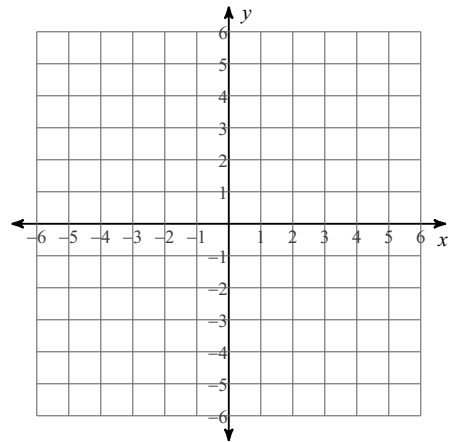
10)  $3x + 2y = 4$



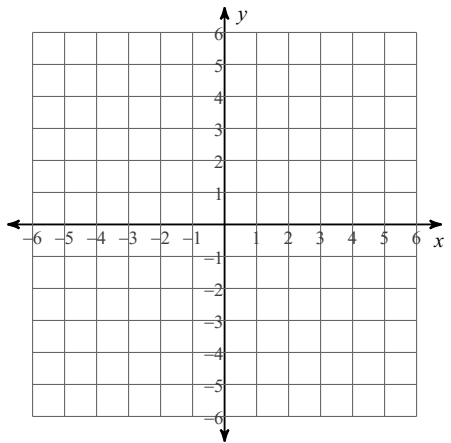
$$11) y = \frac{7}{5}x + 5$$



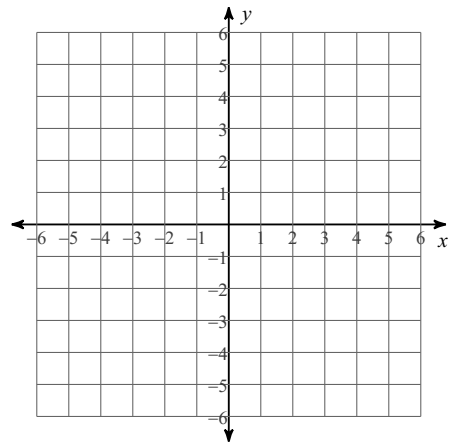
$$12) y = -\frac{3}{5}x$$



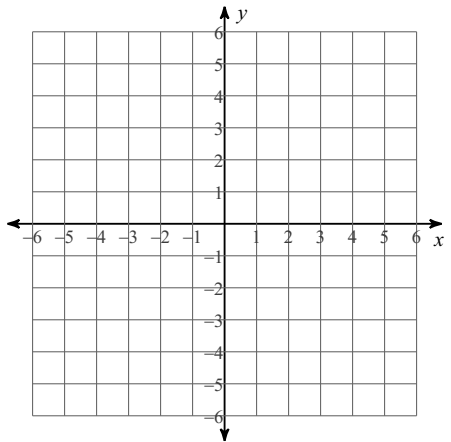
$$13) y = x + 4$$



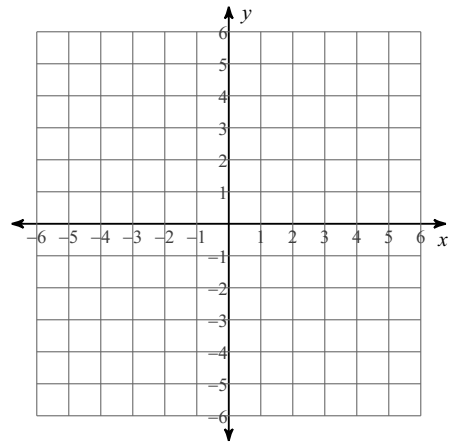
$$14) y = -10x + 5$$



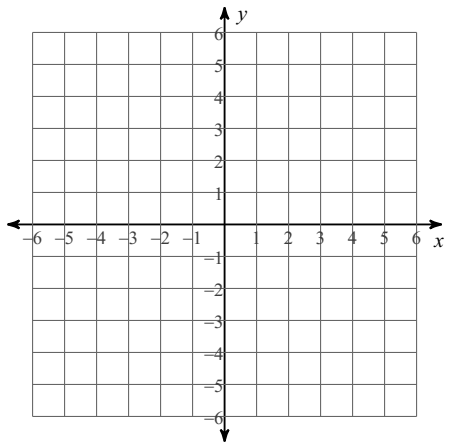
$$15) -1 = -\frac{1}{3}y + \frac{1}{5}x$$



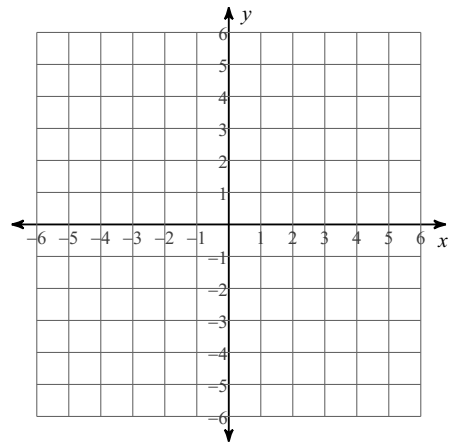
$$16) 0 = -3 + \frac{3}{20}x + \frac{3}{4}y$$



$$17) 2y + 9x = -8$$



$$18) 0 = -4y + 5x$$

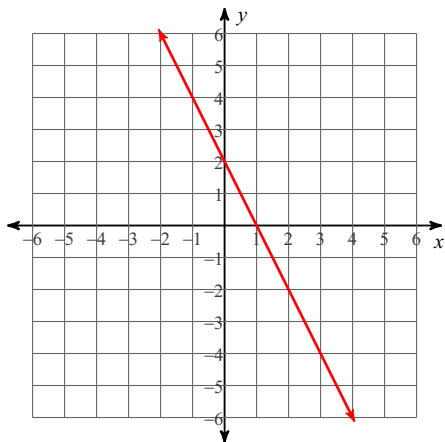


## Characteristics of Linear Functions

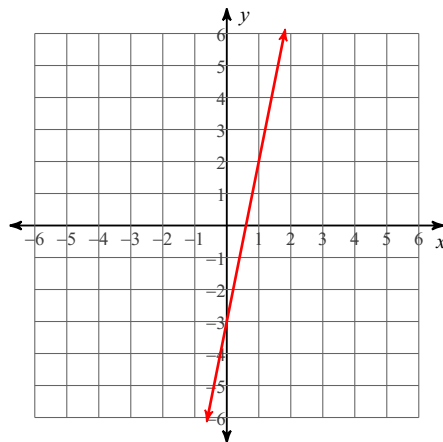
Date \_\_\_\_\_ Period \_\_\_\_\_

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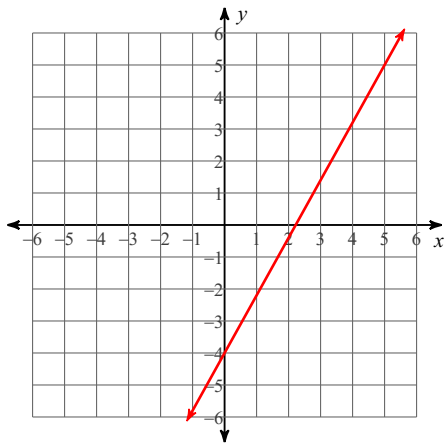


2)  $5x - y = 3$

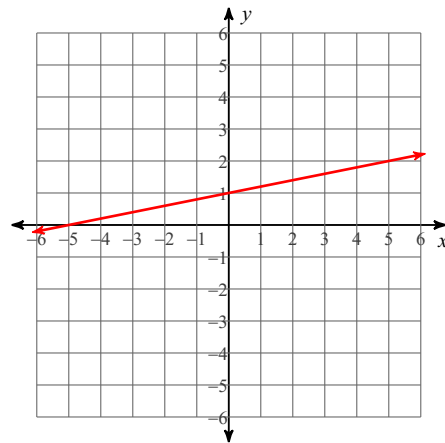


Sketch the graph of each line.

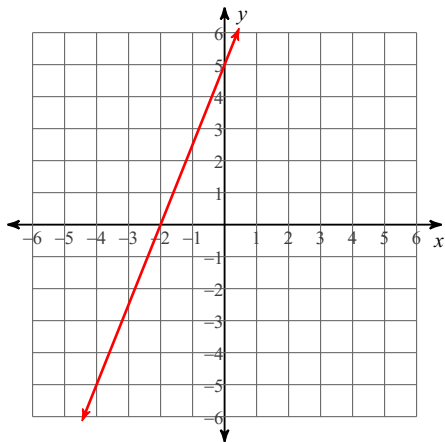
3)  $0 = -9x + 5y + 20$



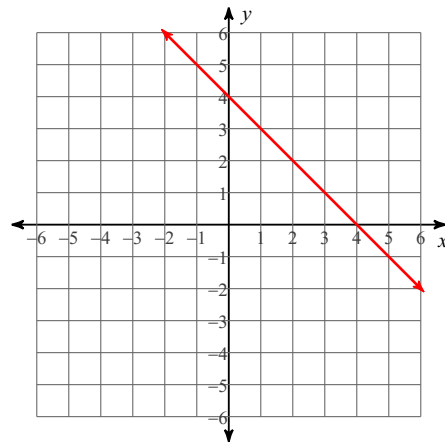
4)  $10 - 10y = -2x$



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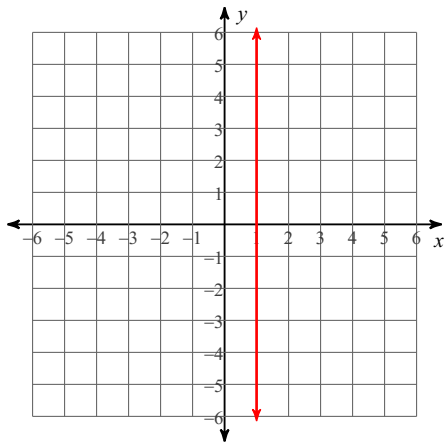


6)  $2x = -2y + 8$

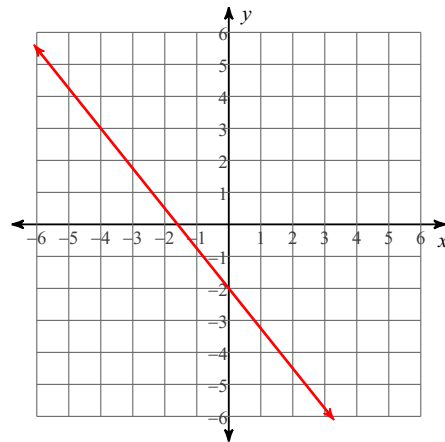


Sketch the graph of each line.

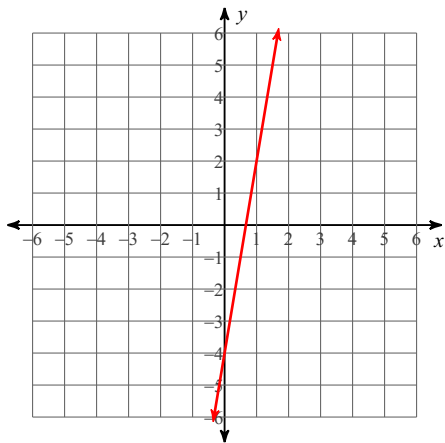
7)  $x = 1$



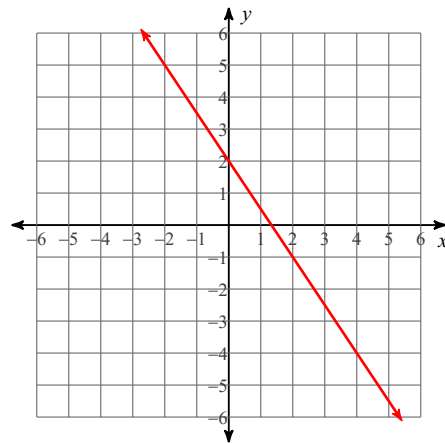
8)  $5x + 4y = -8$



9)  $6x - y = 4$

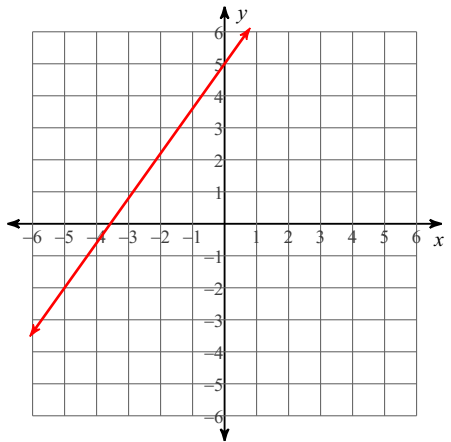


10)  $3x + 2y = 4$

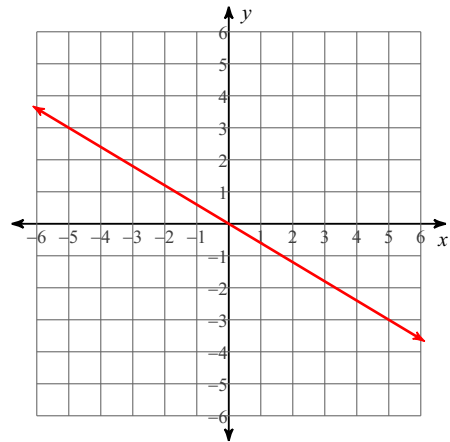




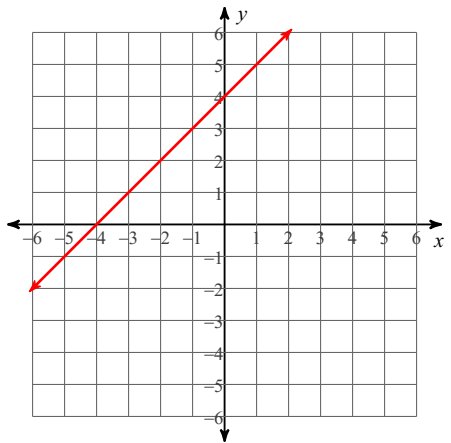
$$11) y = \frac{7}{5}x + 5$$



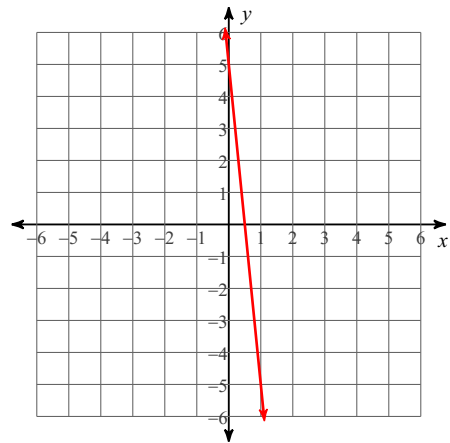
$$12) y = -\frac{3}{5}x$$



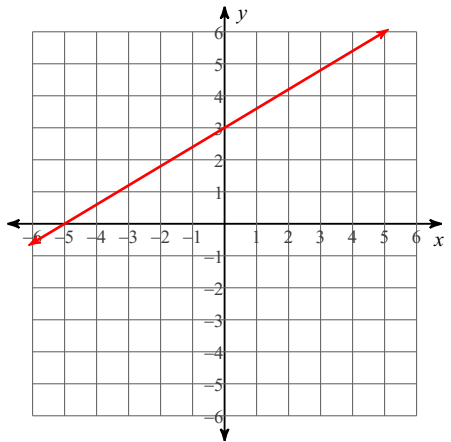
$$13) y = x + 4$$



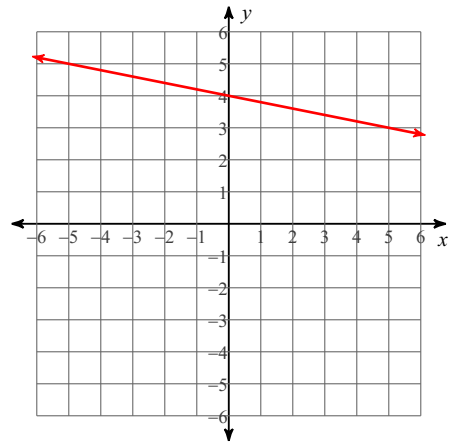
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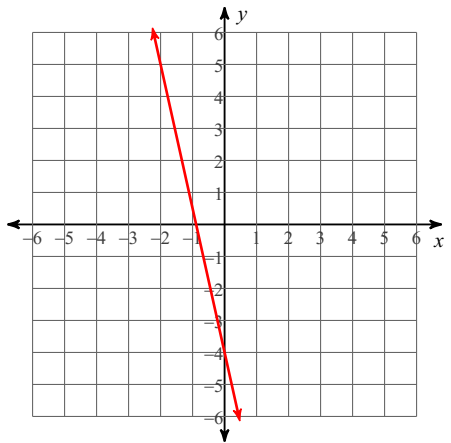
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