

Graph and describe each of the following lines.

1.  $y = \frac{3}{5}x - 2$

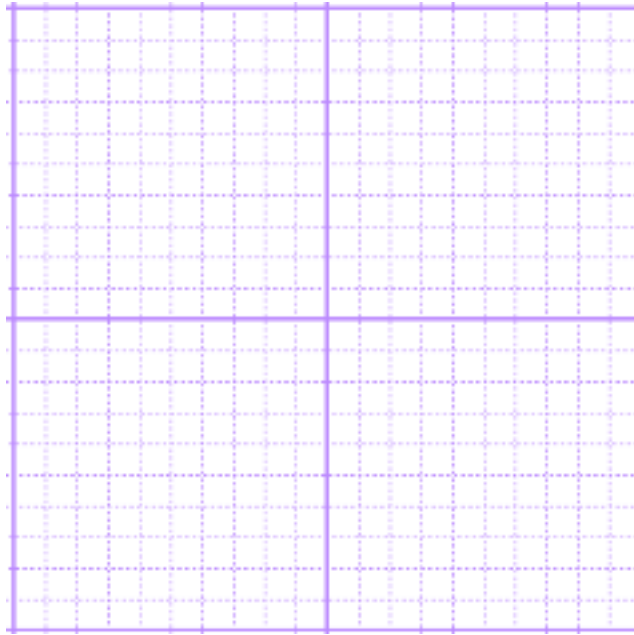
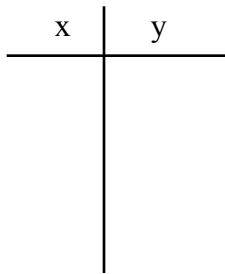
$m =$  \_\_\_\_\_

steep / shallow \_\_\_\_\_

$\Delta x =$  \_\_\_\_\_

$y$  - int = \_\_\_\_\_

incline / decline \_\_\_\_\_



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2.  $y = \frac{-2}{3}x + 4$

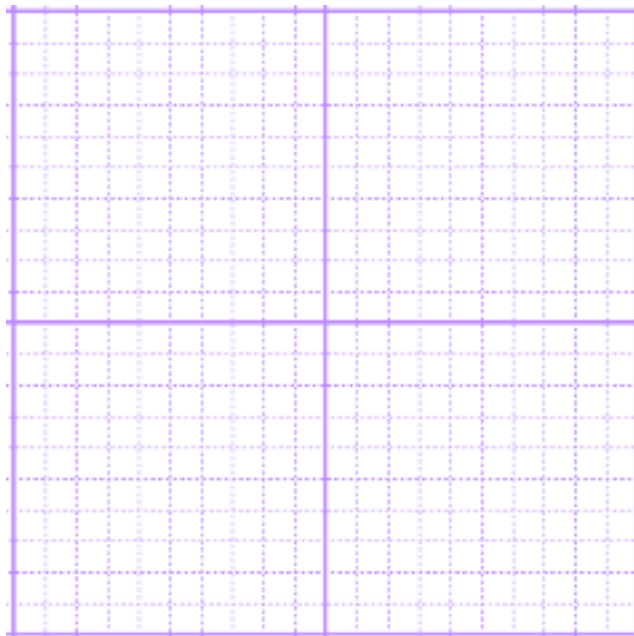
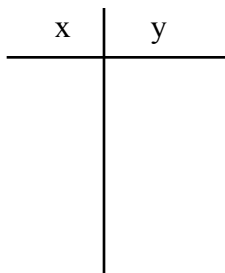
$m =$  \_\_\_\_\_

steep / shallow \_\_\_\_\_

$\Delta x =$  \_\_\_\_\_

$y$  - int = \_\_\_\_\_

incline / decline \_\_\_\_\_



3.  $y = \frac{-1}{3}x - 5$

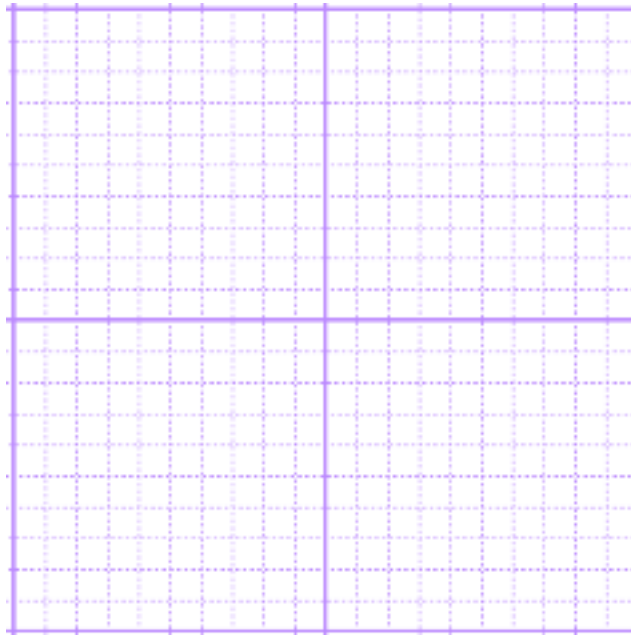
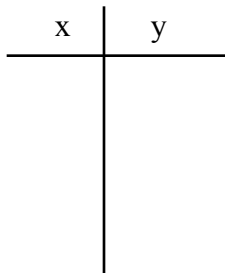
m = \_\_\_\_\_

steep / shallow \_\_\_\_\_

$\Delta x =$  \_\_\_\_\_

y - int = \_\_\_\_\_

incline / decline \_\_\_\_\_



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4.  $y = \frac{3}{1}x - 5$

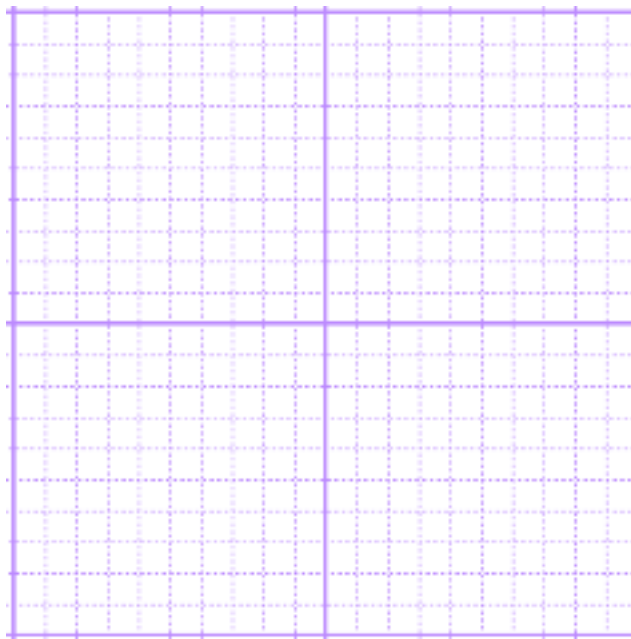
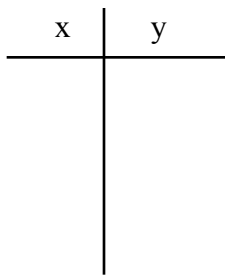
m = \_\_\_\_\_

steep / shallow \_\_\_\_\_

$\Delta x =$  \_\_\_\_\_

y - int = \_\_\_\_\_

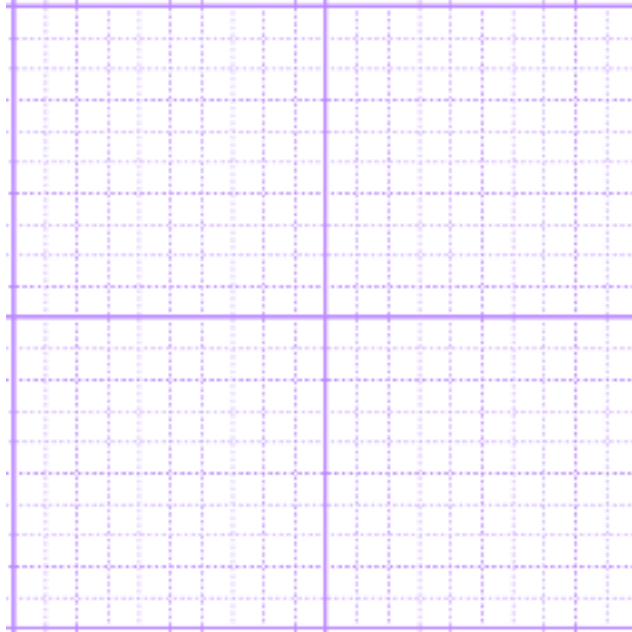
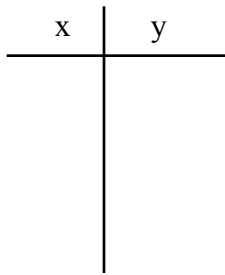
incline / decline \_\_\_\_\_



5.  $y = \frac{1}{5}x + 1$

$m =$  \_\_\_\_\_ steep / shallow \_\_\_\_\_  $\Delta x =$  \_\_\_\_\_

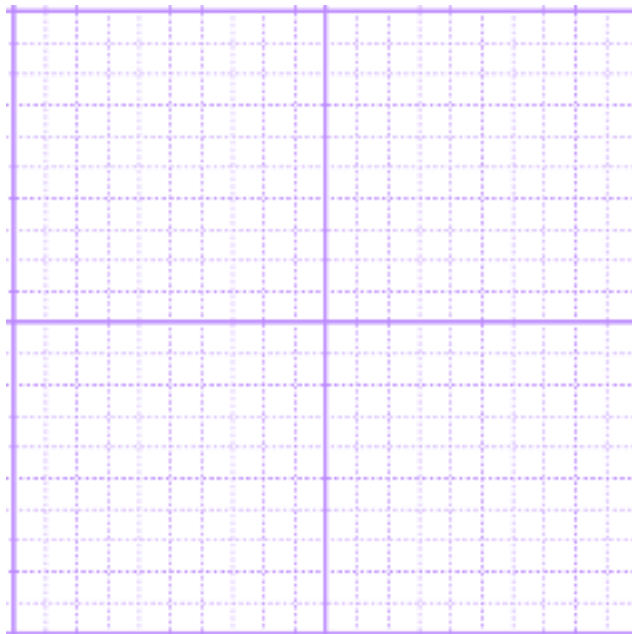
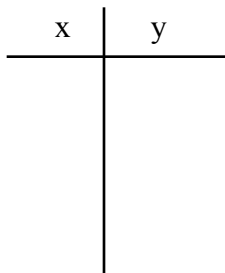
$y$  - int = \_\_\_\_\_ incline / decline \_\_\_\_\_



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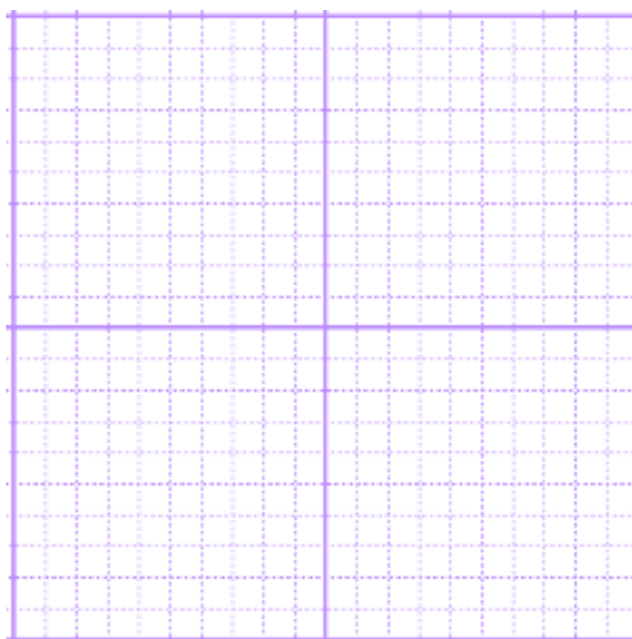
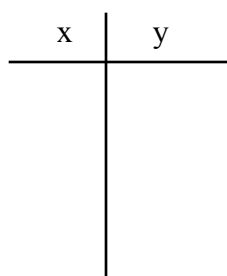
6.  $y = -3$   $m =$  \_\_\_\_\_ steep / shallow \_\_\_\_\_  $\Delta x =$  \_\_\_\_\_

$y$  - int = \_\_\_\_\_ incline / decline \_\_\_\_\_



7.  $y = -1x + 2$

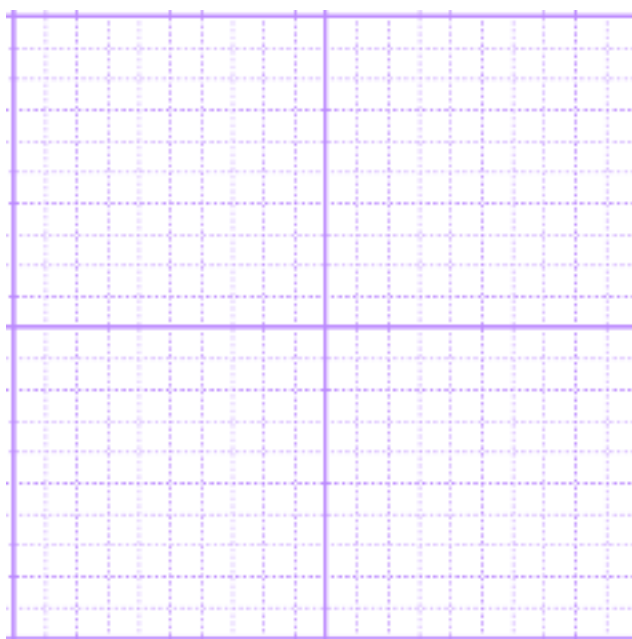
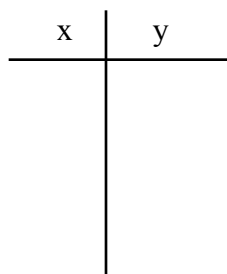
$m =$  \_\_\_\_\_ steep / shallow \_\_\_\_\_  $\Delta x =$  \_\_\_\_\_  
 $y$  - int = \_\_\_\_\_ incline / decline \_\_\_\_\_



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8.  $y = \frac{4}{3}x - 2$

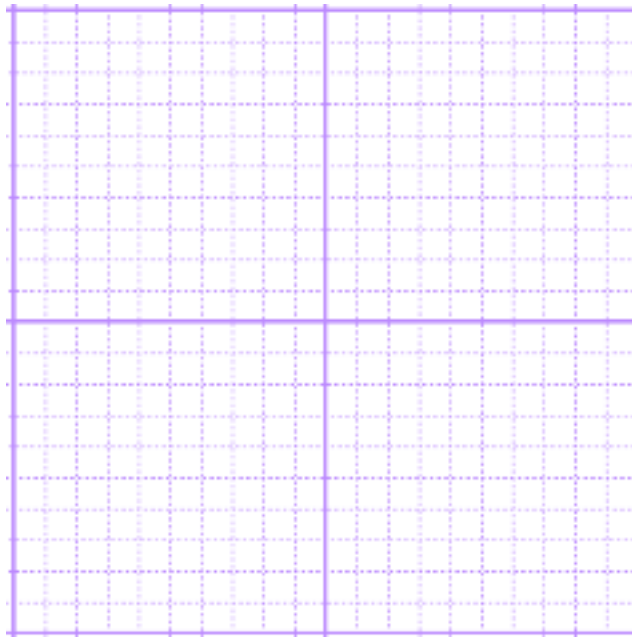
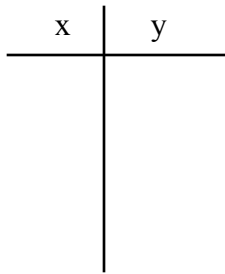
$m =$  \_\_\_\_\_ steep / shallow \_\_\_\_\_  $\Delta x =$  \_\_\_\_\_  
 $y$  - int = \_\_\_\_\_ incline / decline \_\_\_\_\_



9.  $y = 3x - 5$

$m =$  \_\_\_\_\_ steep / shallow \_\_\_\_\_  
 $y$  - int = \_\_\_\_\_ incline / decline \_\_\_\_\_

$\Delta x =$  \_\_\_\_\_

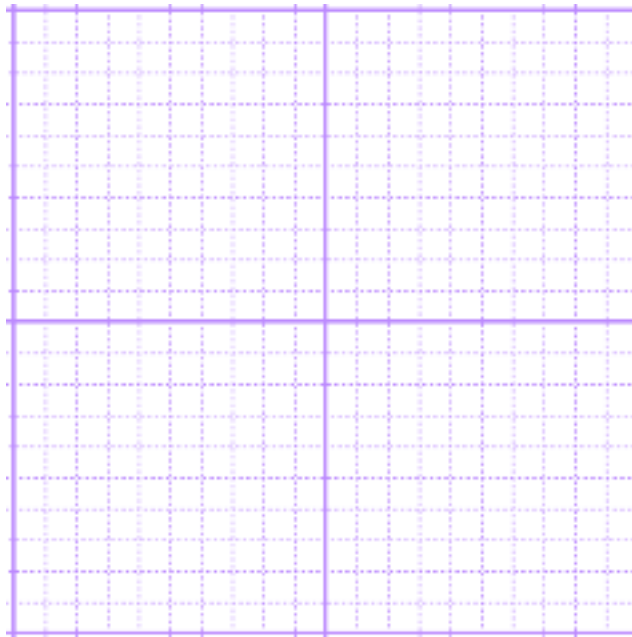
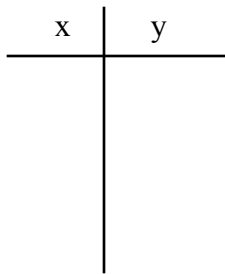


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10.  $x = 7$

$m =$  \_\_\_\_\_ steep / shallow \_\_\_\_\_  
 $y$  - int = \_\_\_\_\_ incline / decline \_\_\_\_\_

$\Delta x =$  \_\_\_\_\_



Sometimes equations need to be manipulated into the slope intercept form. With each of the following, **put the equation into slope intercept** form and then **describe the characteristics** of the line.

11.  $3x - 5y = 20$

$m =$  \_\_\_\_\_  
steep / shallow \_\_\_\_\_  
incline / decline \_\_\_\_\_  
 $y - \text{int} =$  \_\_\_\_\_  
 $\Delta x =$  \_\_\_\_\_  
 $x - \text{int} =$  \_\_\_\_\_

12.  $2x + 3y = 12$

$m =$  \_\_\_\_\_  
steep / shallow \_\_\_\_\_  
incline / decline \_\_\_\_\_  
 $y - \text{int} =$  \_\_\_\_\_  
 $\Delta x =$  \_\_\_\_\_  
 $x - \text{int} =$  \_\_\_\_\_

13.  $3x - y = -7$

$m =$  \_\_\_\_\_  
steep / shallow \_\_\_\_\_  
incline / decline \_\_\_\_\_  
 $y - \text{int} =$  \_\_\_\_\_  
 $\Delta x =$  \_\_\_\_\_  
 $x - \text{int} =$  \_\_\_\_\_

14.  $7x + 2y = 8$

$m =$  \_\_\_\_\_  
steep / shallow \_\_\_\_\_  
incline / decline \_\_\_\_\_  
 $y - \text{int} =$  \_\_\_\_\_  
 $\Delta x =$  \_\_\_\_\_  
 $x - \text{int} =$  \_\_\_\_\_

15.  $2x - 5y = 12$

$m =$  \_\_\_\_\_  
steep / shallow \_\_\_\_\_  
incline / decline \_\_\_\_\_  
 $y - \text{int} =$  \_\_\_\_\_  
 $\Delta x =$  \_\_\_\_\_  
 $x - \text{int} =$  \_\_\_\_\_