

# 8.10 Classwork

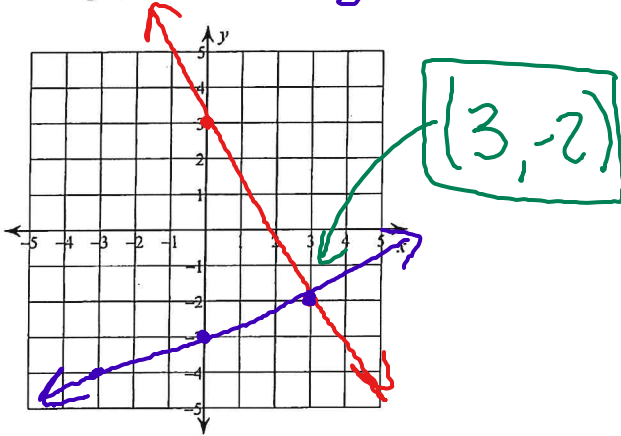
Name \_\_\_\_\_

## Solving Systems of Equations by Graphing

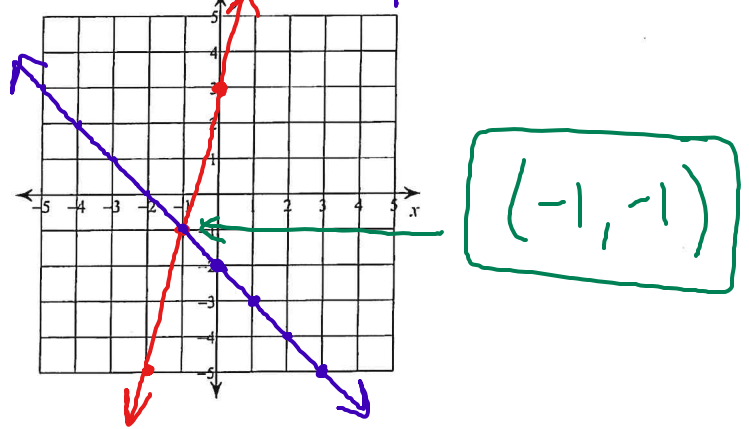
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Solve each system by graphing.

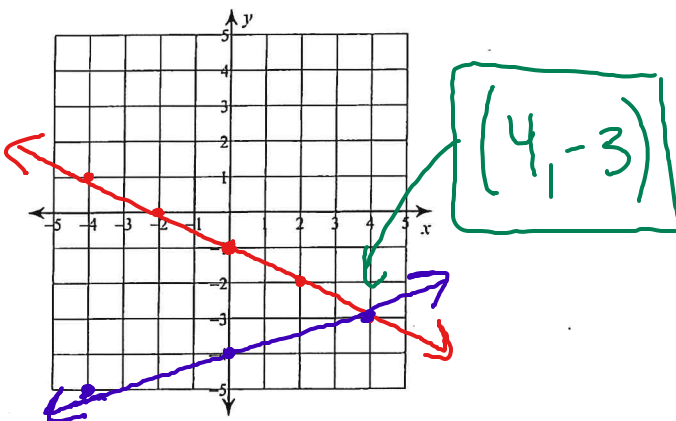
1)  $y = -\frac{5}{3}x + 3$   $m = -\frac{5}{3}$   $b = 3$   
 $y = \frac{1}{3}x - 3$   $m = \frac{1}{3}$   $b = -3$



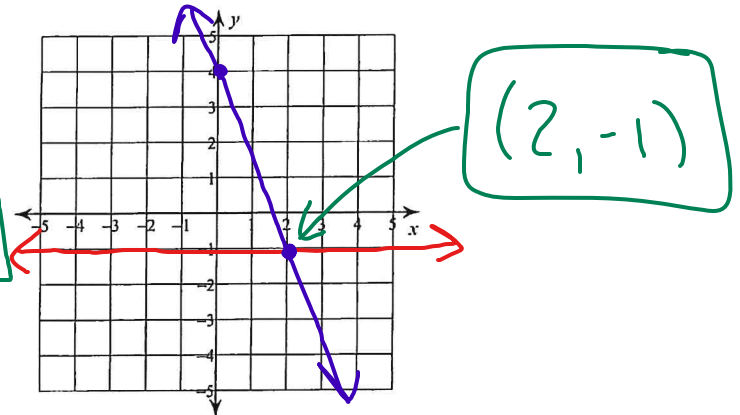
2)  $y = 4x + 3$   $m = 4 = \frac{4}{1}$   $b = 3$   
 $y = -x - 2$   $m = -1 = \frac{-1}{1}$   $b = -2$



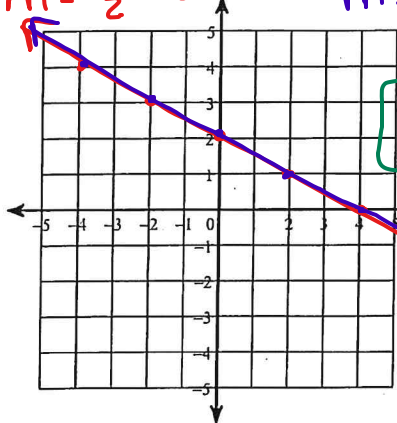
3)  $y = -\frac{1}{2}x - 1$   $m = -\frac{1}{2}$   $b = -1$   
 $y = \frac{1}{4}x - 4$   $m = \frac{1}{4}$   $b = -4$



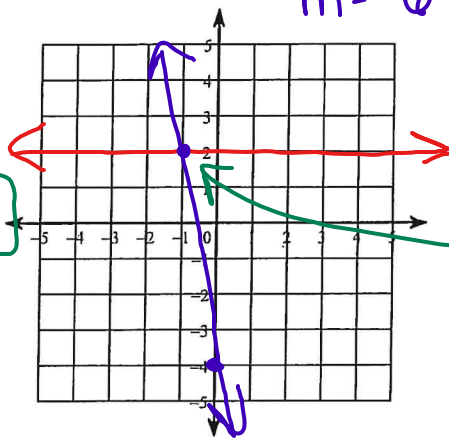
4)  $y = -1$   
 $y = -\frac{5}{2}x + 4$   $m = -\frac{5}{2}$   $b = 4$



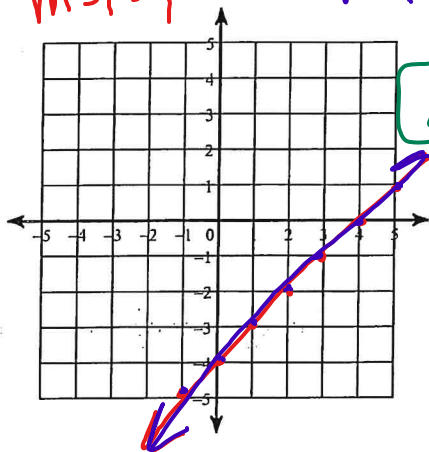
5)  $y = \frac{-1}{2}x + 2$   $y = \frac{-1}{2}x + 2$   
 $m = \frac{-1}{2}$   $b = 2$   $m = \frac{-1}{2}$   $b = 2$



6)  $y = 2$   $y = -6x - 4$   
 $m = -6$   $b = -4$



7)  $y = x - 4$   $y = x - 4$   
 $m = 1$   $b = -4$   $m = 1$   $b = -4$



8)  $y = \frac{-3}{2}x - 2$   $y = \frac{-3}{2}x - 4$   
 $m = \frac{-3}{2}$   $b = -2$   $m = \frac{-3}{2}$   $b = -4$

