

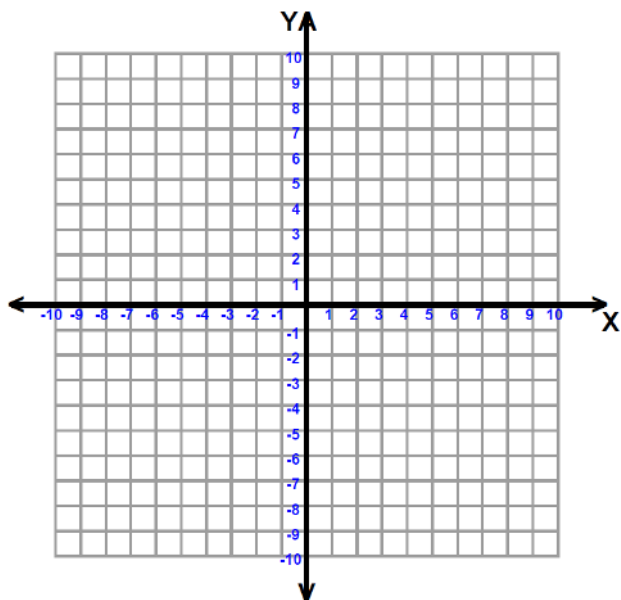


Solving simultaneous equations graphically

Student name: _____ Score: _____

For the following questions use the GRAPH feature of your GDC and find the solution of each of the simultaneous equations, sketching the graph from your Calculator.

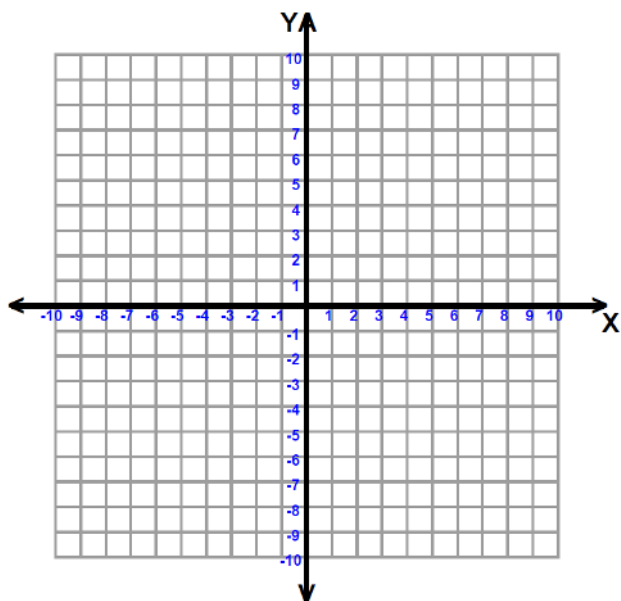
1. $3x - 4y = 10$
 $5x - 3y = 2$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

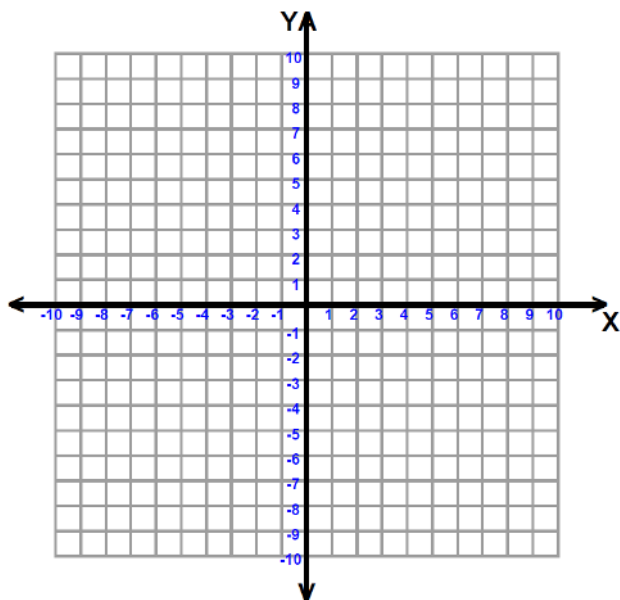
2. $5x - 4y = 1$
 $4x - 5y = 8$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

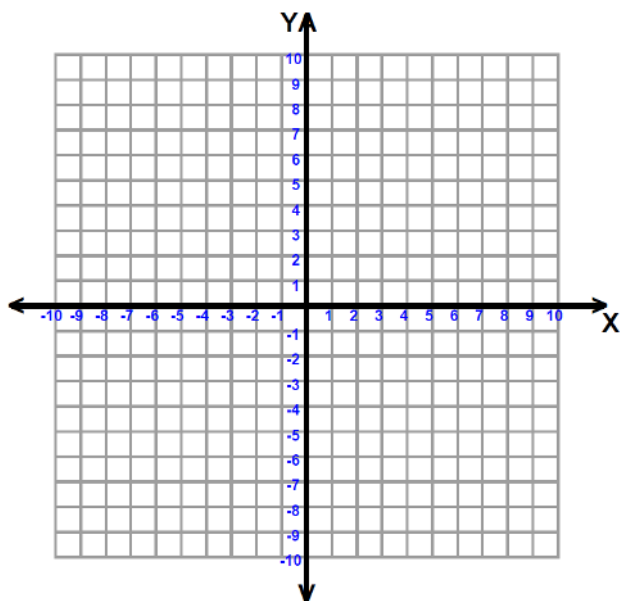
3. $5x - 2y = 11.5$
 $4x + 3y = 0$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

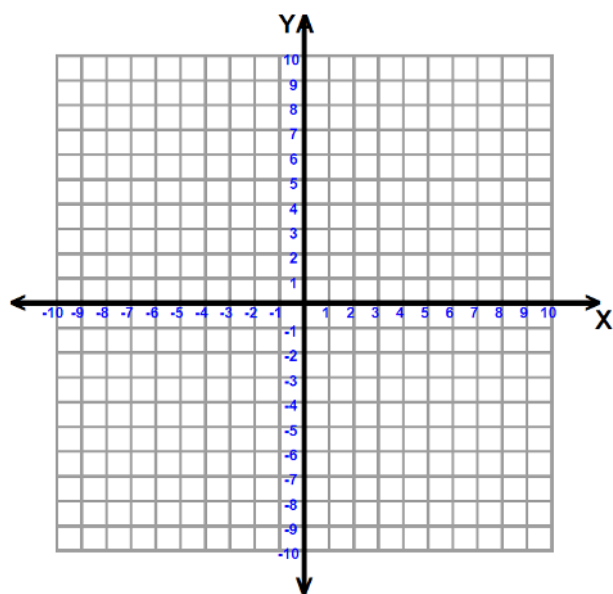
4. $2x + 3y = 7$
 $5x - 4y = -17$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

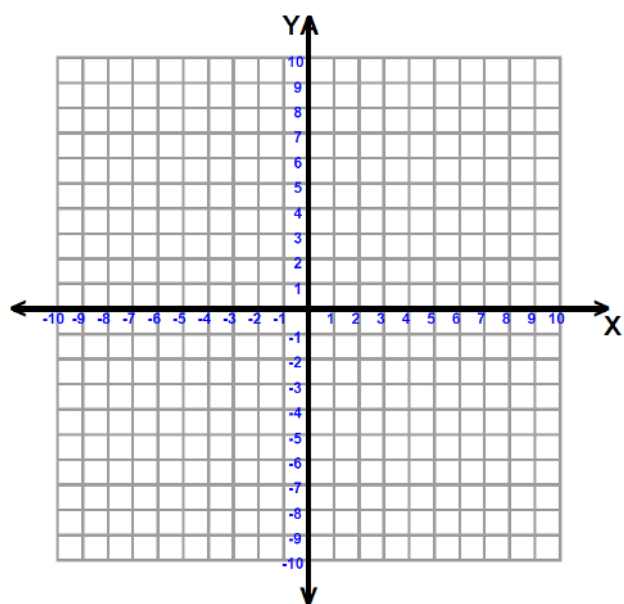
5. $3p + 4q = 7$
 $5p + 6q = 10$



$p = \dots\dots\dots$

$q = \dots\dots\dots$

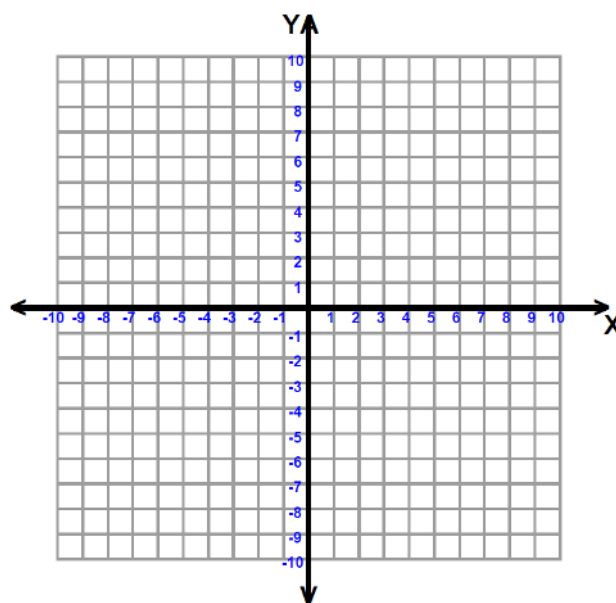
6. $y = 2x - 8$
 $3x + 2y = 5$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

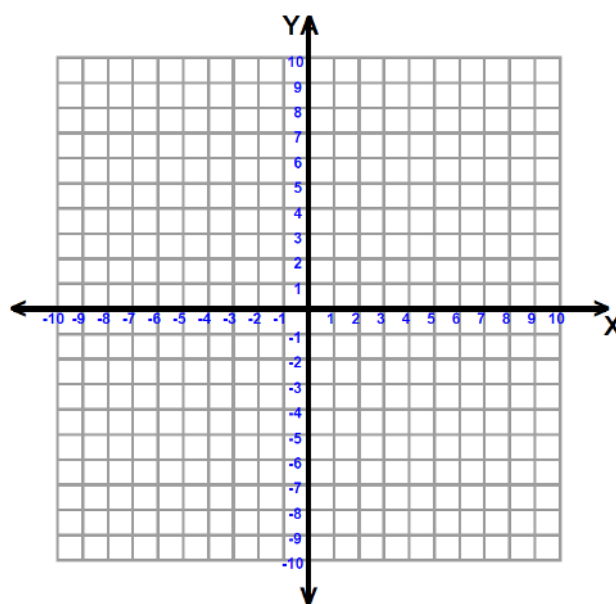
7. $5x + 2y = 11$
 $4x - 3y = 18$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

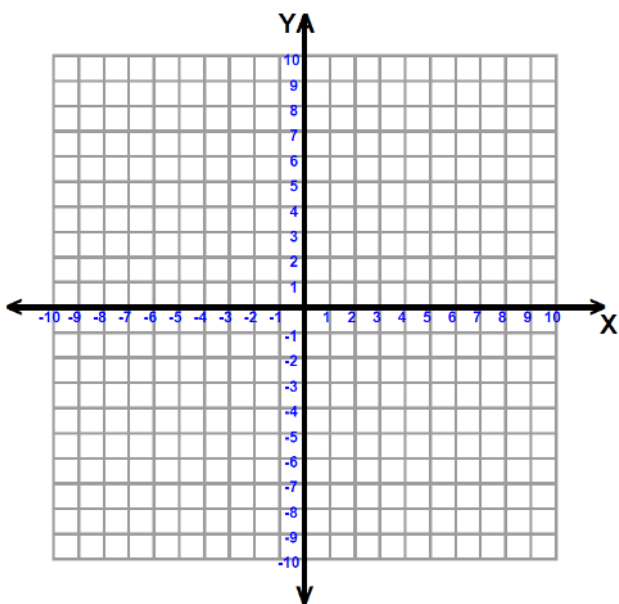
8. $3x - 2y = 7$
 $5x + 2y = 1$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

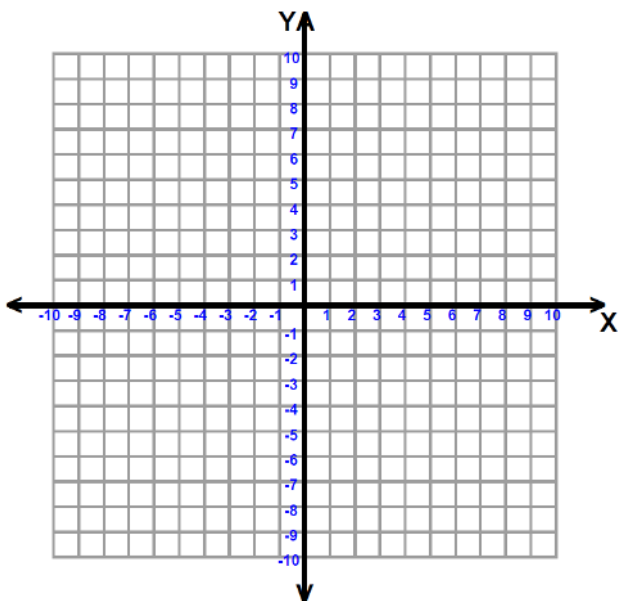
9. $3x + 2y = -5$
 $2x - 5y = 3$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

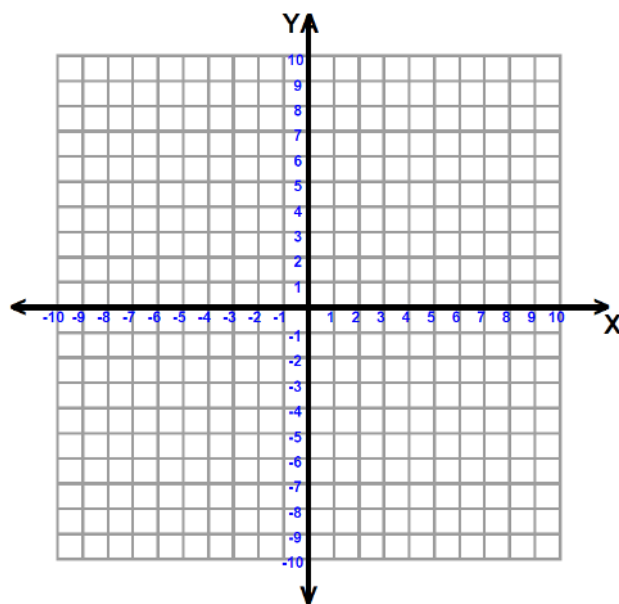
10. $3g - 2h = 11$
 $g - 2h = 5$



$g = \dots\dots\dots$

$h = \dots\dots\dots$

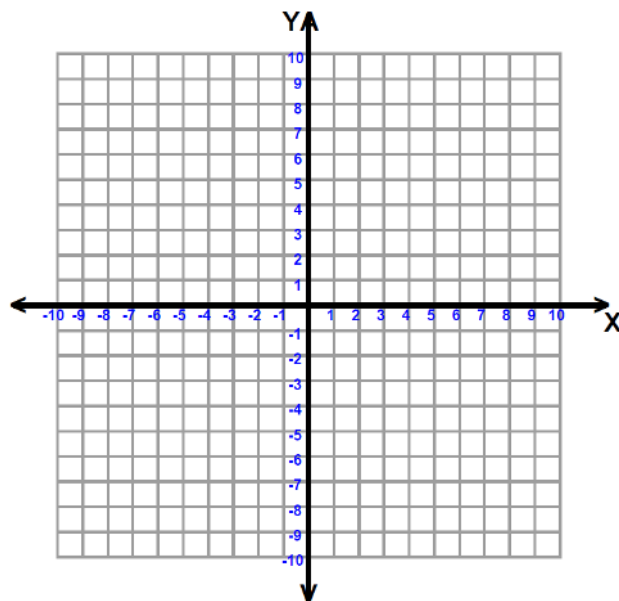
11. $u - w = 9$
 $3u + w = 19$



$u = \dots\dots\dots$

$w = \dots\dots\dots$

12. $4x - 3y = 12$
 $6x - y = 11$



$x = \dots\dots\dots$

$y = \dots\dots\dots$

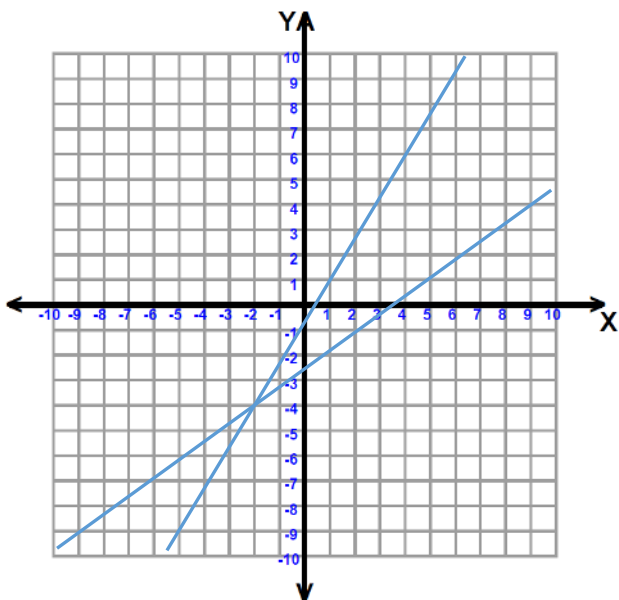


Solving simultaneous equations graphically

Student name: ANSWERS Score: _____

For the following questions use the GRAPH feature of your GDC and find the solution of each of the simultaneous equations, sketching the graph from your Calculator.

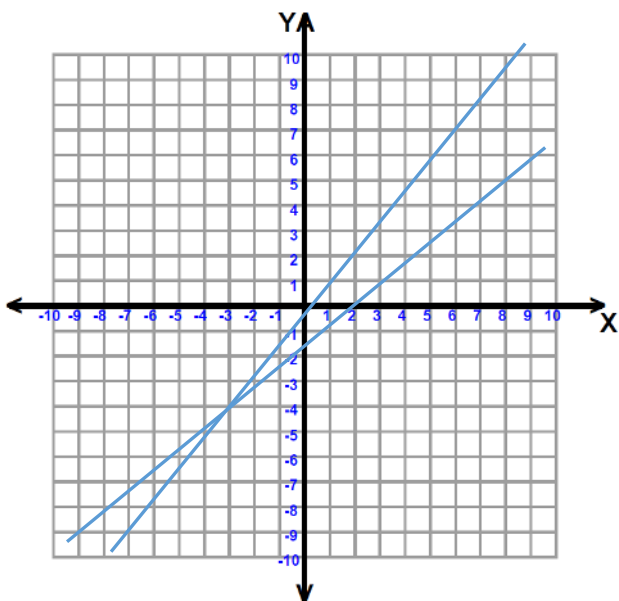
1. $3x - 4y = 10$
 $5x - 3y = 2$



$x = \dots -2 \dots$

$y = \dots -4 \dots$

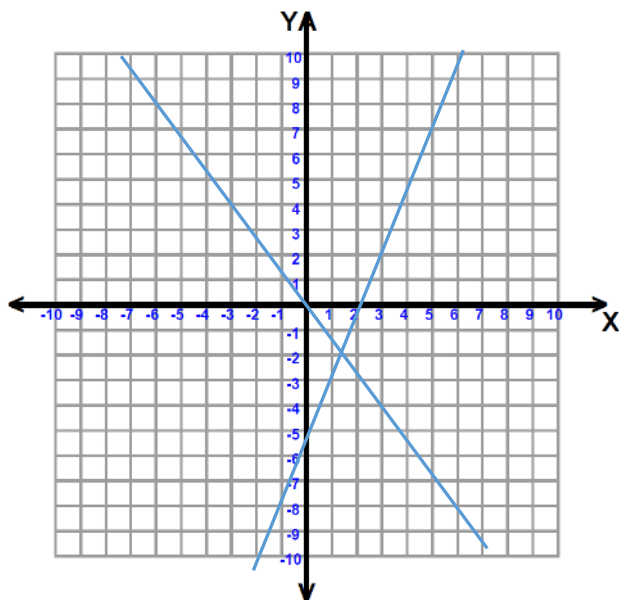
2. $5x - 4y = 1$
 $4x - 5y = 8$



$x = \dots -3 \dots$

$y = \dots -4 \dots$

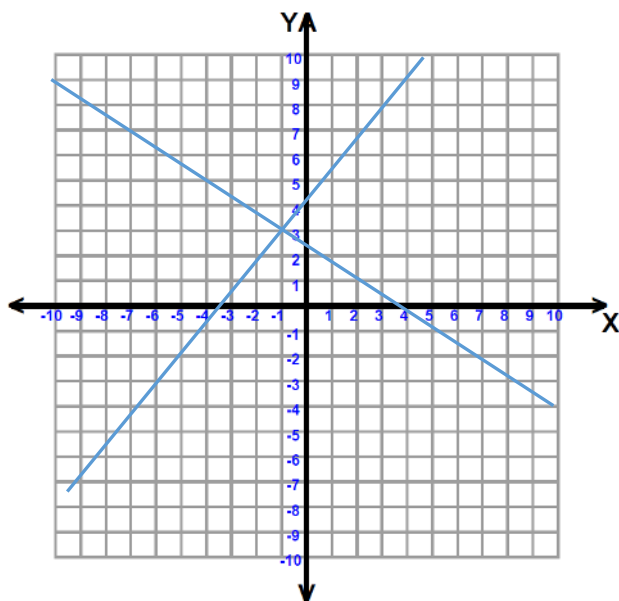
3. $5x - 2y = 11.5$
 $4x + 3y = 0$



$x = \dots 1.5 \dots$

$y = \dots -2 \dots$

4. $2x + 3y = 7$
 $5x - 4y = -17$

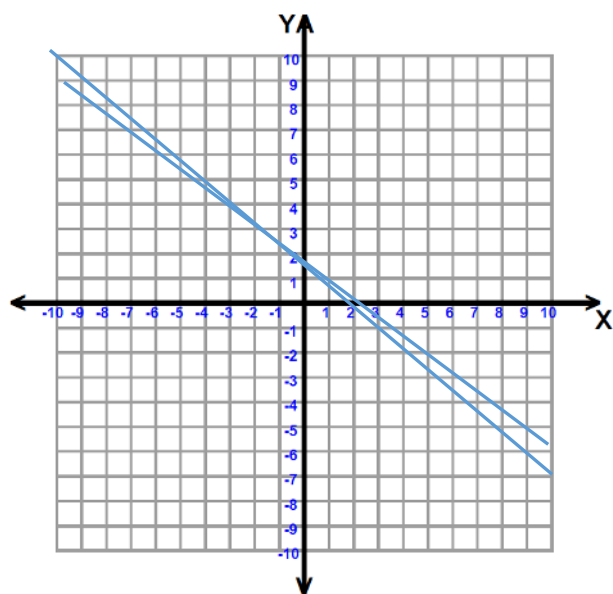


$x = \dots -1 \dots$

$y = \dots 3 \dots$



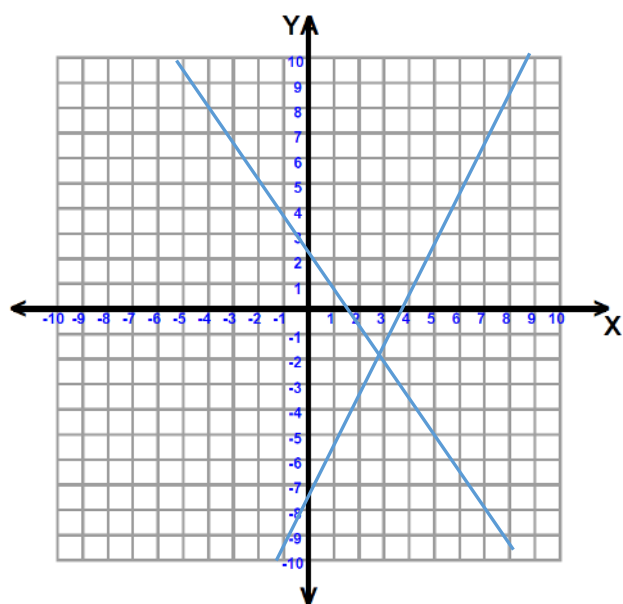
5. $3p + 4q = 7$
 $5p + 6q = 10$



$p = \dots -1 \dots$

$q = \dots 2.5 \dots$

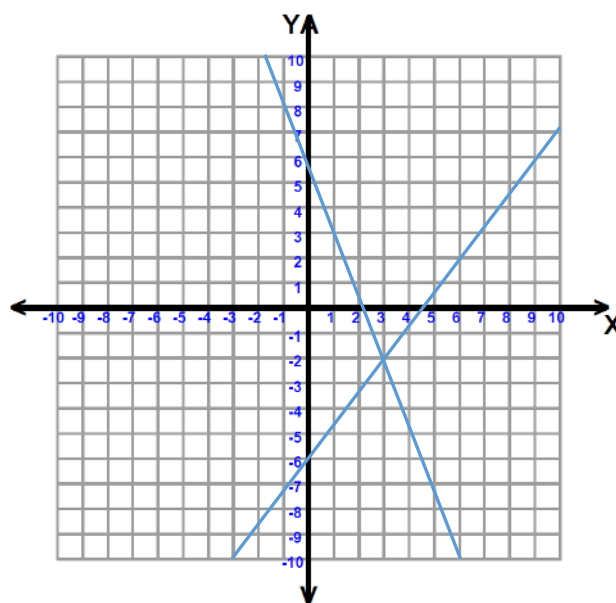
6. $y = 2x - 8$
 $3x + 2y = 5$



$x = \dots 3 \dots$

$y = \dots -2 \dots$

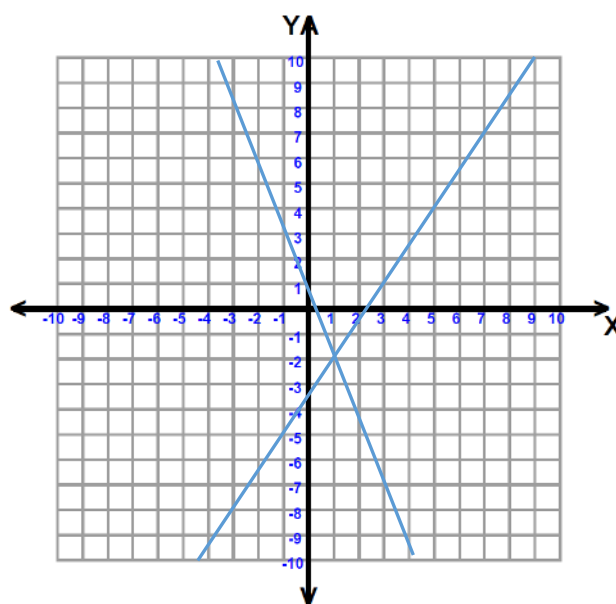
7. $5x + 2y = 11$
 $4x - 3y = 18$



$x = \dots 3 \dots$

$y = \dots -2 \dots$

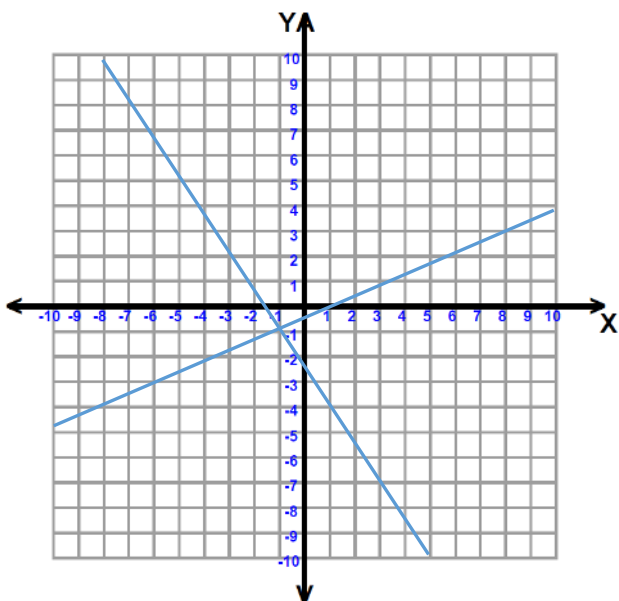
8. $3x - 2y = 7$
 $5x + 2y = 1$



$x = \dots 1 \dots$

$y = \dots -2 \dots$

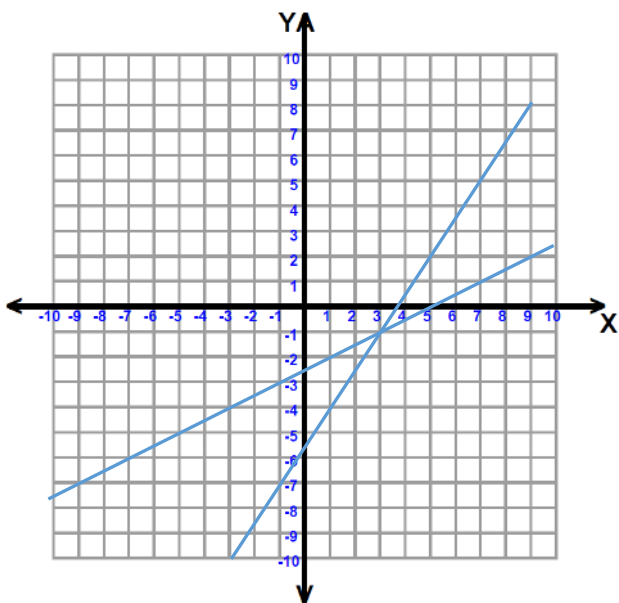
9. $3x + 2y = -5$
 $2x - 5y = 3$



$x = -1$

$y = -1$

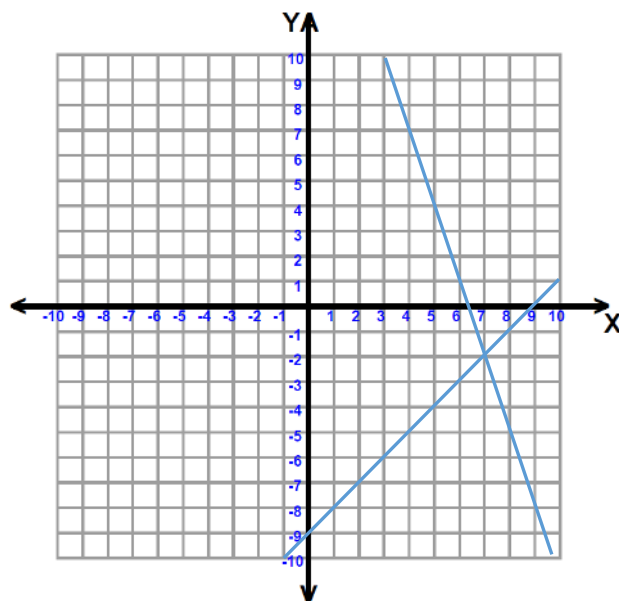
10. $3g - 2h = 11$
 $g - 2h = 5$



$g = 3$

$h = -1$

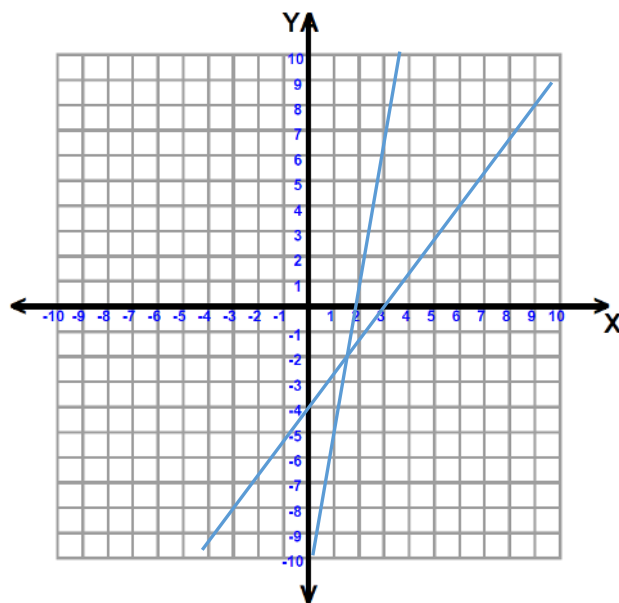
11. $u - w = 9$
 $3u + w = 19$



$u = 7$

$w = -2$

12. $4x - 3y = 12$
 $6x - y = 11$



$x = 1.5$

$y = -2$