

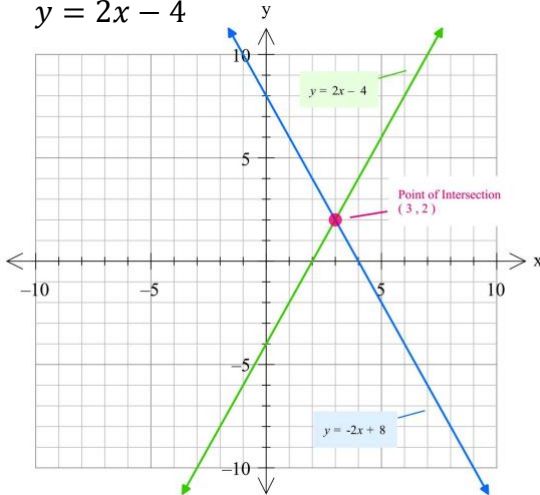
Name: _____

Period: _____ Date: _____

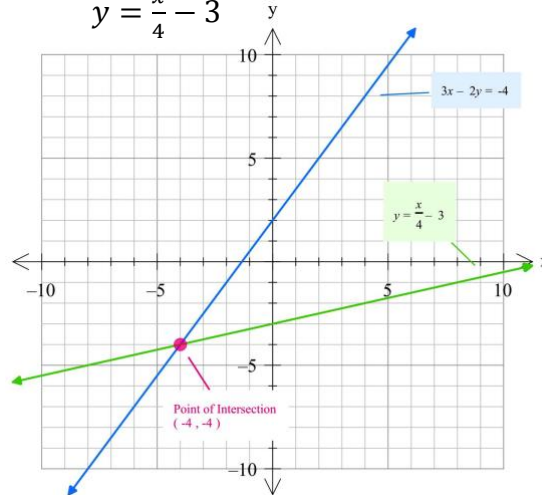
Solve Using Multiple Methods Answers

Section I. Solve by graphing

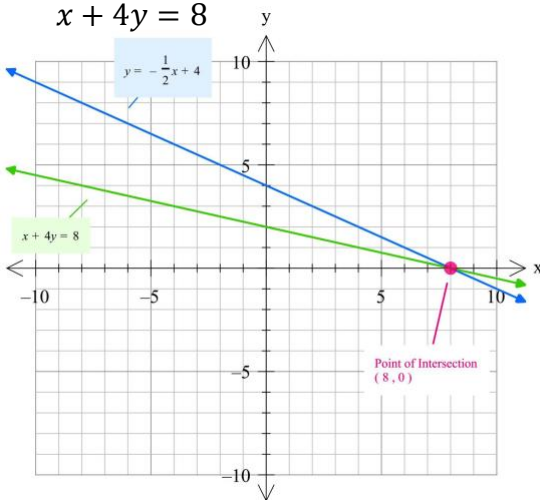
1. $y = -2x + 8$
 $y = 2x - 4$



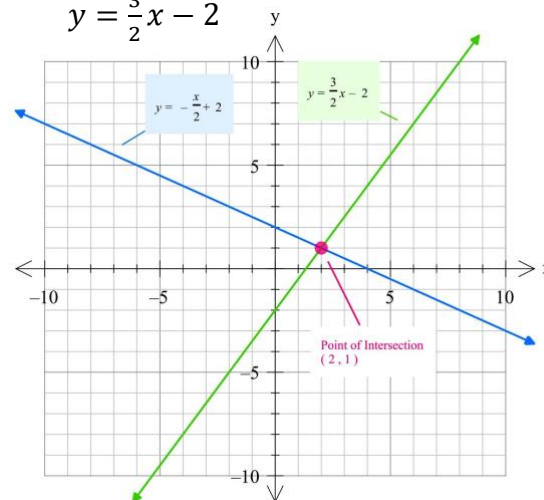
2. $3x - 2y = -4$
 $y = \frac{x}{4} - 3$



3. $y = -\frac{1}{2}x + 4$
 $x + 4y = 8$



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



Section II. Solve by Substitution

5. $x + 4y = -1$
 $2x - y = 7$

$(3, -1)$

6. $-x + 2y = -16$
 $4x + 3y = 9$

$(6, -5)$

7. $x + 3y = 3$
 $4x + 12y = -13$

no solutions

8. $3x + 2y = -1$
 $2x - 7y = -59$

(-5, 7)

Section III. Solve by Linear Combination

9. $4x + 3y = 5$
 $-4x + 10y = 34$

(-1, 3)

10. $3x - 4y = 10$
 $4x + 2y = 6$

(2, -1)

11. $2x + 3y = 5$
 $3x + 2y = 10$

(4, -1)

12. $-3x + 5y = -6$
 $6x - 10y = 12$

infinite solutions

Section IV. Solve Using Any Method

13. $x + 3y = 3$
 $2x + 3y = 0$

(-3, 2)

14. $2x + 3y = 6$
 $y = \frac{4}{5}x + 2$

(0, 2)