

Systems Using Substitution

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Since Both Equations = 'y', they Both = each other. Set the Equations Equal to each other and then solve for x. Once you have x, find y.

1) $y = 8x + 22$
 $y = -5x - 4$

2) $y = -4x - 18$
 $y = 2x$

3) $y = 3x + 17$
 $y = 4x + 21$

4) $y = -3x + 15$
 $y = -4x + 20$

5) $y = 3x + 6$
 $y = 6x + 15$

6) $y = x - 4$
 $y = 8x + 17$

7) $y = -4x + 9$
 $y = -8x + 13$

8) $y = 4x + 17$
 $y = 2x + 11$

9) $y = 2x + 5$
 $y = 8x + 23$

10) $y = -2x + 4$
 $y = 4x + 16$

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Date _____ HW # _____

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Since Both Equations = 'y', they Both = each other. Set the Equations Equal to each other and then solve for x. Once you have x, find y.

1) $y = 7x - 9$
 $y = 8x - 11$

2) $y = -4x + 8$
 $y = 8x - 16$

3) $y = 7x + 7$
 $y = -8x - 8$

4) $y = 6x - 13$
 $y = 8x - 15$

5) $y = 8x + 15$
 $y = 5x + 9$

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

7) $y = -5x - 13$
 $y = 6x + 20$

8) $y = -5x - 5$
 $y = 4x + 13$

9) $y = 4x + 16$
 $y = -3x - 5$

10) $y = -2x + 7$
 $y = 3x + 7$

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Since Both Equations = 'y', they Both = each other. Set the Equations Equal to each other and then solve for x. Once you have x, find y.

1) $y = 4x + 14$
 $y = -2x - 4$

2) $y = 8x + 23$
 $y = 5x + 17$

3) $y = -6x + 13$
 $y = -7x + 14$

4) $y = 8x - 12$
 $y = x - 5$

5) $y = -3x + 2$
 $y = -4x$

6) $y = x - 2$
 $y = 2x + 4$

7) $y = -8x - 19$
 $y = -2x - 7$

8) $y = -6x - 18$
 $y = 7x + 8$

9) $y = -8x + 11$
 $y = -4x + 7$

10) $y = 4x - 18$
 $y = -3x + 3$

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Since Both Equations = 'y', they Both = each other. Set the Equations Equal to each other and then solve for x. Once you have x, find y.

1) $y = 4x + 24$
 $y = -8x - 24$

2) $y = 4x + 2$
 $y = -4x - 14$

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

4) $y = x - 4$
 $y = 7x - 16$

5) $y = 2x - 5$
 $y = -6x + 19$

6) $y = -3x - 1$
 $y = 6x - 10$

7) $y = -2x - 10$
 $y = 2x + 18$

8) $y = 3x + 2$
 $y = -4x - 19$

9) $y = 2x + 3$
 $y = 4x + 7$

10) $y = x - 5$
 $y = -3x - 5$