

4.2 Practice - Substitution

Solve each system by substitution.

1) $y = -3x$
 $y = 6x - 9$

3) $y = -2x - 9$
 $y = 2x - 1$

5) $y = 6x + 4$
 $y = -3x - 5$

7) $y = 3x + 2$
 $y = -3x + 8$

9) $y = 2x - 3$
 $y = -2x + 9$

11) $y = 6x - 6$
 $-3x - 3y = -24$

13) $y = -6$
 $3x - 6y = 30$

15) $y = -5$
 $3x + 4y = -17$

17) $-2x + 2y = 18$
 $y = 7x + 15$

19) $y = -8x + 19$
 $-x + 6y = 16$

21) $7x - 2y = -7$
 $y = 7$

23) $x - 5y = 7$
 $2x + 7y = -20$

25) $-2x - y = -5$
 $x - 8y = -23$

27) $-6x + y = 20$
 $-3x - 3y = -18$

29) $3x + y = 9$
 $2x + 8y = -16$

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

4) $y = -6x + 3$
 $y = 6x + 3$

6) $y = 3x + 13$
 $y = -2x - 22$

8) $y = -2x - 9$
 $y = -5x - 21$

10) $y = 7x - 24$
 $y = -3x + 16$

12) $-x + 3y = 12$
 $y = 6x + 21$

14) $6x - 4y = -8$
 $y = -6x + 2$

16) $7x + 2y = -7$
 $y = 5x + 5$

18) $y = x + 4$
 $3x - 4y = -19$

20) $y = -2x + 8$
 $-7x - 6y = -8$

22) $x - 2y = -13$
 $4x + 2y = 18$

24) $3x - 4y = 15$
 $7x + y = 4$

26) $6x + 4y = 16$
 $-2x + y = -3$

28) $7x + 5y = -13$
 $x - 4y = -16$

30) $-5x - 5y = -20$
 $-2x + y = 7$

Algebra Substitution Practice Answers

Puja Mehta

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Solutions Teacher Planning Pack Extension Book 7 David Baker, 2005 This is a major new series developed to provide complete coverage of the framework for teaching mathematics and Medium Term Plan in a highly accessible and modern format

The Software Encyclopedia, 1988

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