

11.1 and 11.2 practice

Date _____ Period _____

Solve each system by substitution.

1) $y = -3x - 9$

$y = -2x - 5$

3) $y = 3$

$3x - 7y = -18$

5) $2x + 6y = 6$

$x - 3y = 3$

7) $x + 7y = -6$

$-4x - 5y = -22$

9) $x - 5y = 6$

$-5x + 5y = -10$

11) $x + 8y = -14$

$-3x - 24y = 42$

2) $y = -5x - 12$

$y = 4x + 15$

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

$y = -5x - 2$

6) $4x - 2y = 24$

$x + 6y = 19$

8) $x + 3y = -3$

$-2x - 6y = 3$

10) $2x + y = -2$

$5x - 6y = 12$

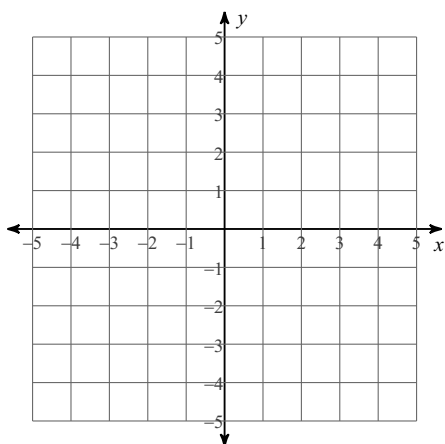
12) $-x - 2y = 17$

$3x + y = -21$

Solve each system by graphing.

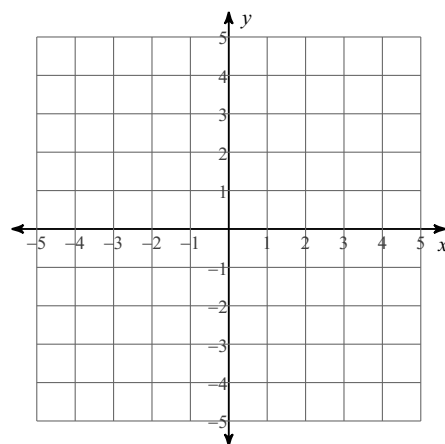
13) $x + y = -3$

$8x + y = 4$



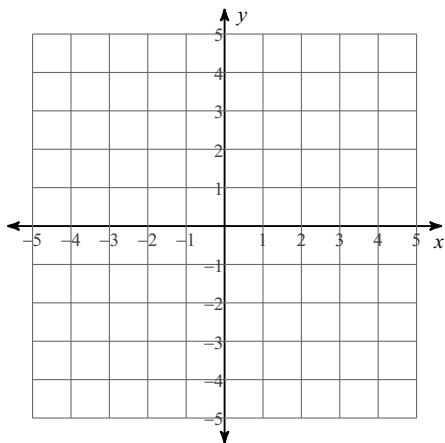
14) $2x - y = -3$

$5x + y = -4$



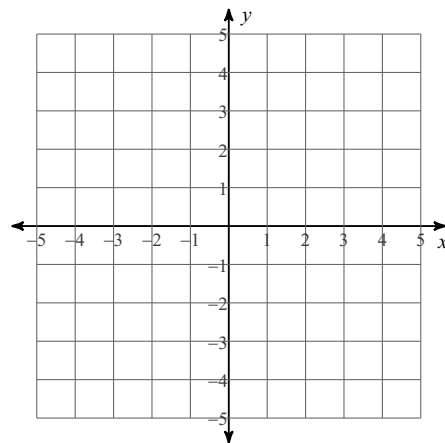
15) $3x + 2y = 8$

$x - 2y = 8$



16) $x - y = -3$

$x - y = 4$



Answers to 11.1 and 11.2 practice (ID: 1)

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|-----------------|---------------|----------------------------------|----------------|
| 1) $(-4, 3)$ | 2) $(-3, 3)$ | 3) $(1, 3)$ | 4) $(0, -2)$ |
| 5) $(3, 0)$ | 6) $(7, 2)$ | 7) $(8, -2)$ | 8) No solution |
| 9) $(1, -1)$ | 10) $(0, -2)$ | 11) Infinite number of solutions | |
| 12) $(-5, -6)$ | 13) $(1, -4)$ | 14) $(-1, 1)$ | 15) $(4, -2)$ |
| 16) No solution | | | |