

Practice Quiz 3.3 Solving systems using substitution

Period _____

Solve each system by substitution.

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

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

3) $6x - 6y = 18$
 $x - 5y = 7$

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

5) $15x - 18y = -9$
 $5x - 6y = -3$

6) $5x + 3y = -2$
 $2x + 4y = 16$

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Solve each system by substitution.

1) $y = -2x - 1$

$y = -4x - 1$

$(0, -1)$

3) $6x - 6y = 18$

$x - 5y = 7$

$(2, -1)$

5) $15x - 18y = -9$

$5x - 6y = -3$

Infinite number of solutions

2) $2x - y = -4$

$y = x + 2$

$(-2, 0)$

4) $2x + y = 6$

$3x - y = -6$

$(0, 6)$

6) $5x + 3y = -2$

$2x + 4y = 16$

$(-4, 6)$