Systems of Equations

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Solve each system of equations.

1) $3x + 7y = 34$
$3x + 2y = 14$
$x =$ __ $y =$ __

2) $2x + 6y = -10$
$4x + 2y = 10$
$x =$ __ $y =$ __

3) $5x + 2y = -3$
$7x + 7y = 0$
$x =$ __ $y =$ __

4) $4x + 7y = -8$
$4x + 2y = 12$
$x =$ __ $y =$ __

5) $4x + 5y = 24$
$2x + 4y = 18$
$x =$ __ $y =$ __

6) $5x + 7y = -41$
$5x + 5y = -35$
$x =$ __ $y =$ __

7) $4x + 2y = -20$
$5x + 4y = -28$
$x =$ __ $y =$ __

8) $2x + 2y = 4$
$4x + 4y = 8$
$x =$ __ $y =$ __

9) $2x + 6y = -6$
$7x + 6y = 9$
$x =$ __ $y =$ __

10) $4x + 3y = -2$
$7x + 3y = -8$
$x =$ __ $y =$ __

11) $2x + 5y = 30$
$7x + 7y = 63$
$x =$ __ $y =$ __

12) $4x + 4y = 0$
$3x + 7y = -16$
$x =$ __ $y =$ __

13) $4x + 4y = 20$
$2x + 6y = 30$
$x =$ __ $y =$ __

14) $4x + 3y = -18$
$3x + 2y = -13$
$x =$ __ $y =$ __

15) $4x + 3y = 1$
$4x + 2y = 2$
$x =$ __ $y =$ __

16) $5x + 3y = 10$
$5x + 5y = 20$
$x =$ __ $y =$ __

Answers of Systems of Equations

Solve each system of equations.

1) $3x + 7y = 34$
$3x + 2y = 14$
$x = 2 \quad y = 4$

2) $2x + 6y = -10$
$4x + 2y = 10$
$x = 4 \quad y = -3$

3) $5x + 2y = -3$
$7x + 7y = 0$
$x = -1 \quad y = 1$

4) $4x + 7y = -8$
$4x + 2y = 12$
$x = 5 \quad y = -4$

5) $4x + 5y = 24$
$2x + 4y = 18$
$x = 1 \quad y = 4$

6) $5x + 7y = -41$
$5x + 5y = -35$
$x = -4 \quad y = -3$

7) $4x + 2y = -20$
$5x + 4y = -28$
$x = -4 \quad y = -2$

8) $2x + 2y = 4$
$4x + 4y = 8$
$x = -2 \quad y = 4$

9) $2x + 6y = -6$
$7x + 6y = 9$
$x = 3 \quad y = -2$

10) $4x + 3y = -2$
$7x + 3y = -8$
$x = -2 \quad y = 2$

11) $2x + 5y = 30$
$7x + 7y = 63$
$x = 5 \quad y = 4$

12) $4x + 4y = 0$
$3x + 7y = -16$
$x = 4 \quad y = -4$

13) $4x + 4y = 20$
$2x + 6y = 30$
$x = 0 \quad y = 5$

14) $4x + 3y = -18$
$3x + 2y = -13$
$x = -3 \quad y = -2$

15) $4x + 3y = 1$
$4x + 2y = 2$
$x = 1 \quad y = -1$

16) $5x + 3y = 10$
$5x + 5y = 20$
$x = -1 \quad y = 5$