

Systems of Equations Worksheet 11

Use substitution to solve each system of equations. Remember to write your answers as an ordered pair, i.e. (x, y) .

$$1. \begin{cases} x + 4y = 8 \\ 2x - 5y = 29 \end{cases}$$

$$2. \begin{cases} 4x + y = 0 \\ x + 2y = -7 \end{cases}$$

$$3. \begin{cases} x + 5y = 4 \\ 3x + 15y = -1 \end{cases}$$

$$4. \begin{cases} 2x - 3y = -24 \\ x + 6y = 18 \end{cases}$$

$$5. \begin{cases} x - 5y = 10 \\ 2x - 10y = 20 \end{cases}$$

$$6. \begin{cases} x + 14y = 84 \\ 2x - 7y = -7 \end{cases}$$

$$7. \begin{cases} 8x + 2y = 13 \\ 4x + y = 11 \end{cases}$$

$$8. \begin{cases} 2x - y = -4 \\ -3x + y = -9 \end{cases}$$

$$9. \begin{cases} x + 5y = -3 \\ 3x - 2y = 8 \end{cases}$$

$$10. \begin{cases} 7x - y = -21 \\ -21x + 3y = 63 \end{cases}$$

$$11. \begin{cases} 6x - 2y = -4 \\ -3x + y = 2 \end{cases}$$

$$12. \begin{cases} x - 2y = 0 \\ 4x + 2y = 20 \end{cases}$$