

Systems of Equations Worksheet 17

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

$$1. \begin{cases} x - 20y = -17 \\ -3x - 6y = 51 \end{cases}$$

$$2. \begin{cases} -5x - 8y = 46 \\ -12x - y = -108 \end{cases}$$

$$3. \begin{cases} -16x - 18y = -44 \\ -12x + 9y = -258 \end{cases}$$

$$4. \begin{cases} -19x - 13y = -271 \\ 18x + 13y = 254 \end{cases}$$

$$5. \begin{cases} -4x - 16y = 188 \\ 20x - y = 194 \end{cases}$$

$$6. \begin{cases} 3x + 11y = 13 \\ 18x + 13y = 131 \end{cases}$$

$$7. \begin{cases} 15x - 4y = 210 \\ 15x - 6y = 180 \end{cases}$$

$$8. \begin{cases} -10x - 12y = -136 \\ -5x + 14y = -8 \end{cases}$$

$$9. \begin{cases} 7x + 5y = 26 \\ -x - 19y = 234 \end{cases}$$

$$10. \begin{cases} 19x + 11y = 276 \\ -2x - y = -27 \end{cases}$$

$$11. \begin{cases} 6x - 11y = 188 \\ x - 8y = 130 \end{cases}$$

$$12. \begin{cases} 7x - 18y = 101 \\ -x + 3y = -17 \end{cases}$$

$$13. \begin{cases} 10x - 4y = 44 \\ 5x - 5y = -5 \end{cases}$$

$$14. \begin{cases} 11x - 15y = -183 \\ 17x - 3y = -303 \end{cases}$$

$$15. \begin{cases} 11x + 16y = -185 \\ 18x - 4y = 150 \end{cases}$$

$$16. \begin{cases} -16x + 16y = -368 \\ 17x - 4y = 287 \end{cases}$$

$$17. \begin{cases} -20x + 20y = -480 \\ 20x + 14y = 310 \end{cases}$$

$$18. \begin{cases} 12x - 10y = 250 \\ -18x + 10y = -340 \end{cases}$$