



Solve by Elimination (Multiplication with Addition):

Example 2:

$$\begin{aligned} 5x - y &= 20 \\ 3x + y &= 12 \end{aligned}$$

Example 3:

$$\begin{aligned} 3x + 5y &= 6 \\ 2x - 4y &= -7 \end{aligned}$$

Show ALL work! Use separate paper if needed.

<p>10. <math>\begin{aligned} 5x - y &amp;= 20 \\ -3x + y &amp;= 12 \end{aligned}</math></p> <p>Solution: _____</p>	<p>11. <math>\begin{aligned} x + 3y &amp;= 7 \\ x + 2y &amp;= 4 \end{aligned}</math></p> <p>Solution: _____</p>	<p>12. <math>\begin{aligned} 3x - 2y &amp;= 11 \\ 3x - y &amp;= 7 \end{aligned}</math></p> <p>Solution: _____</p>
<p>13. <math>\begin{aligned} 9x - 2y &amp;= 50 \\ 6x - 2y &amp;= 32 \end{aligned}</math></p> <p>Solution: _____</p>	<p>14. <math>\begin{aligned} 5x + 2y &amp;= 19 \\ 3x - 4y &amp;= 1 \end{aligned}</math></p> <p>Solution: _____</p>	<p>15. <math>\begin{aligned} x + y &amp;= 7 \\ 2x + y &amp;= 11 \end{aligned}</math></p> <p>Solution: _____</p>
<p>16. <math>\begin{aligned} 3x - 5y &amp;= 6 \\ 2x - 4y &amp;= 4 \end{aligned}</math></p> <p>Solution: _____</p>	<p>17. <math>\begin{aligned} 3x - 7y &amp;= -3 \\ 2x + 6y &amp;= -34 \end{aligned}</math></p> <p>Solution: _____</p>	<p>18. <math>\begin{aligned} 2x + 6y &amp;= 14 \\ \frac{1}{2}x - 3y &amp;= 8 \end{aligned}</math></p> <p>Solution: _____</p>