

Solve each system using the elimination method.

Write infinitely many solutions or no solution where it applies. **MUST SHOW WORK!!**

1.) $\begin{cases} x + 2y = 7 \\ 3x - 2y = -3 \end{cases}$	2.) $\begin{cases} 9x - 3y = 24 \\ 7x - 3y = 20 \end{cases}$	3.) $\begin{cases} 16x - 6y = 16 \\ 8x - 3y = 8 \end{cases}$

4.) $\begin{cases} 12x + 9y = 0 \\ 3x - 5y = 29 \end{cases}$	5.) $\begin{cases} 7x - 3y = -46 \\ 2x + y = 24 \end{cases}$	6.) $\begin{cases} x - 8y = 32 \\ 3x - y = 27 \end{cases}$

7.) $\begin{cases} 7x - 10y = 19 \\ 5x - 9y = 21 \end{cases}$	8.) $\begin{cases} 2x - 3y = -11 \\ 3x + 2y = 29 \end{cases}$	9.) $\begin{cases} 6x + 9y = -30 \\ 5x + 6y = -16 \end{cases}$

10.) A company sells brass and steel machine parts. One shipment contains 3 brass and 10 steel parts and costs \$48. A second shipment contains 7 brass and 4 steel parts and costs \$54. How much does steel cost?