

4.5 Puzzle Time

Per 6	Per 4
TMM 0	NA 1 (stated)
SP 0	JF (gas)
AA 0	JM 0
TG 0	EVL 0
SL 0	AM 2
SG 24	DB 0

$$\begin{array}{r} \textcircled{1} \quad 3x + y = 8 \\ -3x \quad \quad -3x \\ \hline y = -3x + 8 \quad \textcircled{T} \end{array}$$

$$\begin{array}{r} \textcircled{5} \quad -3x + 5y = 15 \\ x\text{-int: } -5 \\ y\text{-int: } 3 \quad \textcircled{E} \end{array}$$

$$\begin{array}{r} \textcircled{2} \quad 9x - y = \frac{1}{3} \\ -y = -9x + \frac{1}{3} \\ \hline y = 9x - \frac{1}{3} \quad \textcircled{P} \end{array}$$

$$\begin{array}{r} \textcircled{6} \quad 2x - y = 4 \\ x\text{-int: } 2 \quad \textcircled{M} \\ y\text{-int: } -4 \end{array}$$

$$\begin{array}{r} \textcircled{7} \quad 4x - 9y = 36 \\ x\text{-int: } 9 \\ y\text{-int: } -4 \quad \textcircled{U} \end{array}$$

$$\begin{array}{r} \textcircled{3} \quad -\frac{1}{4}x + y = 3 \\ +\frac{1}{4}x \quad \quad +\frac{1}{4}x \\ \hline y = \frac{1}{4}x + 3 \quad \textcircled{I} \end{array}$$

$$\begin{array}{r} \textcircled{8} \quad x + \frac{1}{3}y = -3 \\ x\text{-int: } -3 \\ y\text{-int: } -9 \quad \textcircled{H} \end{array}$$

$$\begin{array}{r} \textcircled{9} \quad \frac{2}{5}x - \frac{3}{4}y = 12 \\ x\text{-int: } 30 \quad \textcircled{Y} \\ y\text{-int: } -16 \end{array}$$

$$\begin{array}{r} \textcircled{4} \quad 2x - 7y = 12 \\ -2x \quad \quad -2x \\ \hline -7y = -2x + 12 \\ \hline y = \frac{2}{7}x - \frac{12}{7} \quad \textcircled{H} \end{array}$$

$$\begin{array}{r} \textcircled{10} \quad 7.6x + 15.2y = 38 \\ x\text{-int: } 5 \quad \textcircled{S} \\ y\text{-int: } 2.5 \end{array}$$

$$\begin{array}{r} \textcircled{11} \quad -.75x + y = -12 \\ x\text{-int: } 16 \\ y\text{-int: } -12 \quad \textcircled{P} \end{array}$$

$$\begin{array}{r} \textcircled{12} \quad .30x + .75y = 15 \\ x\text{-int: } 50 \\ y\text{-int: } 20 \quad \textcircled{J} \end{array}$$