

4.5 Puzzle Time

- ① $3x + y = 8$
 $\begin{array}{r} -3x \\ -3x \end{array}$
 $y = -3x + 8$ (T)
- ② $9x - y = \frac{1}{3}$
 $\begin{array}{r} -y \\ -y \end{array} = \begin{array}{r} -9x + \frac{1}{3} \\ -1 \end{array}$
 $y = 9x - \frac{1}{3}$ (P)
- ③ $-\frac{1}{4}x + y = 3$
 $\begin{array}{r} +\frac{1}{4}x \\ +\frac{1}{4}x \end{array}$
 $y = \frac{1}{4}x + 3$ (I)
- ④ $2x - 7y = 12$
 $\begin{array}{r} -2x \\ -2x \end{array}$
 $\begin{array}{r} -7y \\ -7 \end{array} = \begin{array}{r} -2x + 12 \\ -7 \end{array}$
 $y = \frac{2}{7}x - \frac{12}{7}$ (H)
- ⑤ $-3x + 5y = 15$
x-int: -5
y-int: 3 (E)
- ⑥ $2x - y = 4$
x-int: 2 (M)
y-int: -4
- ⑦ $4x - 9y = 36$
x-int: 9
y-int: -4 (U)
- ⑧ $x + \frac{1}{3}y = -3$
x-int: -3
y-int: -9 (H)
- ⑨ $\frac{2}{5}x - \frac{3}{4}y = 12$
x-int: 30 (Y)
y-int: -16
- ⑩ $7.6x + 15.2y = 38$
x-int: 5 (S)
y-int: 2.5
- ⑪ $-.75x + y = -12$
x-int: 16
y-int: -12 (P)
- ⑫ $.30x + .75y = 15$
x-int: 50 (J)
y-int: 20