

Algebra I
SS-4

- 2) $\{(-59, 36)\}$ 18) $\{(5, \frac{1}{3})\}$
 4) $\{(1, -1)\}$ 19) Should have multiplied
 by -2 . $\{(9, 9)\}$
 6) $\{(5, 4)\}$ 20) Forgot to multiply the
 11 by 3. Multiply 2nd
 8) $\{(-5, -3)\}$ by -4 . Forgot to multiply
 9 by -4 . $\{(3, -2)\}$
 10) $\{(-3, -2)\}$ 22) $\{(2, -5)\}$
 12) $\{(5, 2)\}$ 24) $\{(5, \frac{5}{2})\}$
 14) $\{(4, -3)\}$ 35) $\{(-4, -6)\}$
 16) $\{(-2, -5)\}$ 38) $\{(\frac{1}{2}, -1)\}$

$$\begin{array}{r} 3t - 8z = 34 \\ (7t + 4z = -34) \cdot 2 \\ \hline 3t - 8z = 34 \\ + 14t + 8z = -68 \\ \hline 17t = -34 \\ \frac{17t}{17} = \frac{-34}{17} \end{array}$$

$$t = -2$$

$$\{(-2, -5)\}$$

$$\begin{array}{r} 3(-2) - 8z = 34 \\ -6 - 8z = 34 \\ +6 \quad +6 \\ \hline -8z = 40 \quad z = -5 \end{array}$$

$$\begin{array}{l} 35) \left(\frac{x}{2} + \frac{y}{3} = -4\right) \cdot 6 \quad \{(-4, -6)\} \\ \left(\frac{x}{5} + \frac{y}{5} = -2\right) \cdot 5 \end{array}$$

$$\begin{array}{r} 3x + 2y = -24 \\ (-2)(x + y = -10) \\ \hline 3x + 2y = -24 \\ + -2x - 2y = 20 \\ \hline x = -4 \end{array}$$

$$\begin{array}{r} (-4) + y = -10 \\ +4 \quad +4 \\ \hline y = -6 \end{array}$$

$$24) \begin{cases} 6z - 5t + 10 = 0 & (\times 2) \\ 4z - 7t + 25 = 0 & (\times -3) \end{cases}$$

$$\begin{array}{r} 12z - 10t + 20 = 0 \\ + \quad -12z + 21t - 75 = 0 \\ \hline \end{array}$$

$$11t - 55 = 0$$

$$\begin{array}{r} +55 \quad +55 \\ \hline \end{array}$$

$$11t = 55$$

$$t = 5$$

$$\left\{ \left(\frac{5}{2}, 5 \right) \right\}$$

$$6z - 5(5) + 10 = 0$$

$$6z - 25 + 10 = 0$$

$$6z - 15 = 0$$

$$\begin{array}{r} +15 \quad +15 \\ \hline \end{array}$$

$$\frac{6z}{6} = \frac{15}{6} \quad \frac{5}{2}$$