

1) $\left\{ \frac{9}{2} \right\}$	9) $\{2, 4\}$	17) $\left\{ \frac{3}{2}, -\frac{5}{3} \right\}$
2) $\left\{ \frac{5}{3} \right\}$	10) $\{4, -1\}$	18) $\left\{ -\frac{2}{3}, \frac{3}{4} \right\}$
3) $\{12\}$	11) $\left\{ -\frac{3}{2}, 2 \right\}$	19) $\left\{ \frac{5}{3}, \frac{8}{3} \right\}$
4) $\left\{ \frac{7}{2} \right\}$	12) $\left\{ \frac{3}{2}, \frac{1}{2} \right\}$	20) $\left\{ \frac{2}{3} \right\}$
5) $\{3\}$	13) $\left\{ -\frac{2}{3}, \frac{2}{3} \right\}$	21) $\{-3, 1\}$
6) $\{-6\}$	14) $\left\{ -\frac{1}{2}, 3 \right\}$	22) $\{-1, 3\}$
7) $\{-2\}$	15) $\left\{ \frac{2}{3}, -\frac{1}{2} \right\}$	23) $\left\{ -2, \frac{5}{3} \right\}$
8) $\{-7\}$	16) $\left\{ \frac{3}{4} \right\}$	24) $\left\{ \frac{1}{2}, 2 \right\}$

$$3) \left(\frac{2t-1}{6} = \frac{t+2}{4} + \frac{1}{3} \right) 12$$

$$2(2t-1) = 3(t+2) + 4$$

$$4t-2 = 3t+6+4$$

$$4t-2 = 3t+10$$

$$t = 12$$

$$\{12\}$$

$$4) \left(\frac{s-2}{2} - \frac{s-1}{5} = \frac{1}{4} \right) 20$$

$$10(s-2) - 4(s-1) = 5$$

$$10s - 20 - 4s + 4 = 5$$

$$6s - 16 = 5$$

$$6s = 21$$

$$s = \frac{21}{6}$$

$$\left\{ \frac{7}{2} \right\}$$

$$5) \left(\frac{z}{4} - \frac{z-1}{6} = \frac{5}{12} \right) 12$$

$$3z - 2(z-1) = 5$$

$$3z - 2z + 2 = 5$$

$$z = 3$$

$$\{3\}$$

$$12) \left(\frac{2t(3t+1)}{5} - \frac{t+1}{2} = \frac{1}{10} \right) 10$$

$$4t(3t+1) - 5(t+1) = 1$$

$$12t^2 + 4t - 5t - 5 = 1$$

$$12t^2 - t - 6 = 0$$

$$(4t-3)(3t+2) = 0$$

$$\left\{ \frac{3}{4}, -\frac{2}{3} \right\}$$

$$13) \left(\frac{x^2}{9} + \frac{x-1}{10} = 0 \right) 90$$

$$10x^2 + 9(x-1) = 0$$

$$22) \left(\frac{z^2+1}{6} = \frac{z+2}{3} \right) 6$$

$$z^2+1 = 2(z+2)$$

$$z^2+1 = 2z+4$$

$$z^2 - 2z - 3 = 0$$

$$(z+1)(z-3) = 0$$

$$\{3, -1\}$$