

1) $\{2\}$	11) $\{-14\}$	21) $\{4\}$
2) $\{5\}$	12) $\{-13\}$	22) $\{7\}$
3) $\{6\}$	13) $\{-1\}$	23) $\{10\}$
4) $\{8\}$	14) $\{7\}$	24) $\{-2\}$
5) $\{2\}$	15) $\{3\}$	25) $\{1\}$
6) $\{2\}$	16) $\{-29\}$	26) $\{-1\}$
7) $\{-1\}$	17) $\{6\}$	27) $\{1\}$
8) $\{-14\}$	18) \emptyset	28) $\{1\}$
9) $\{8\}$	19) $\{-12\}$	29) $\{-14\}$
10) $\{-13\}$	20) $\{-8\}$	30) $\{\frac{1}{2}\}$

$$12) -7a = -12a - 65$$

$$-7a + 12a = -12a + 12a - 65$$

$$\frac{5a}{5} = \frac{-65}{5}$$

$$a = -13$$

$$\{-13\}$$

$$14) 5p - 9 = 2p + 12$$

$$5p - 5p - 9 = 2p - 5p + 12$$

$$-9 = -3p + 12$$

$$-9 - 12 = -3p + 12 - 12$$

$$\frac{-21}{-3} = \frac{-3p}{-3}$$

$$7 = p$$

$$\{7\}$$

$$15) 3p - 8 = 13 - 4p$$

$$3p - 3p - 8 = 13 - 4p - 3p$$

$$-8 = 13 - 7p$$

$$-8 - 13 = 13 - 13 - 7p$$

$$\frac{-21}{-7} = \frac{-7p}{-7}$$

$$3 = p$$

$$\{3\}$$

$$16) 89 + x = 2 - 2x$$

$$89 + x - x = 2 - 2x - x$$

$$89 = 2 - 3x$$

$$89 - 2 = 2 - 2 - 3x$$

$$\frac{87}{-3} = \frac{-3x}{-3}$$

$$-29 = x$$

$$\{-29\}$$

$$17) 71 - 5x = 9x - 13$$

$$71 - 5x + 5x = 9x + 5x - 13$$

$$71 = 14x - 13$$

$$71 + 13 = 14x + 13 - 13$$

$$\frac{84}{14} = \frac{14x}{14}$$

$$6 = x$$

$$\{6\}$$

$$22) 7(2-m) = 3m$$

$$14 - 7m = 3m$$

$$14 - 7m + 7m = 3m + 7m$$

$$\frac{14}{10} = \frac{10m}{10}$$

$$\frac{7}{5} = m$$

$$\{\frac{7}{5}\}$$

$$25) \left(\frac{4+y}{5} = y\right) (5)$$

$$4+y = 5y$$

$$4+y-y = 5y-y$$

$$\frac{4}{4} = \frac{4y}{4}$$

$$1 = y$$

$$\{1\}$$

$$27) \left(\frac{4n-28}{3} = 2n\right) (3)$$

$$4n-28 = 6n$$

$$4n-4n-28 = 6n-4n$$

$$\{-14\} \frac{-28}{2} = \frac{2n}{2}$$

$$-14 = n$$