

Review Evens

$$2. -7 \quad 4. -3g, -7$$

$$6. -\frac{1}{2}(8h-24)$$

$$8. 4(a-7d) - 5(4d+3)$$

$$36 - 28d - 20d - 15$$

$$36 - 15 - 28d - 20d$$

$$10. \begin{array}{r} 21 - 8d \\ -24 = x - 18 \\ +18 \quad +18 \end{array}$$

$$-6 = x$$

$$12. \frac{1.8r}{1.8} = \frac{-90}{1.8}$$

$$r = -50$$

$$14. 4 = \frac{m}{4} - 8$$

$$12 = \frac{m}{4}$$

$$48 = m$$

$$16. 3(a-2) = -6 + 3a$$

$$3a - 6 = -6 + 3a$$

$$-6 = -6$$

infinitely many solutions

$$\begin{array}{r} 50 \\ 18 \overline{)900} \end{array}$$

$$\begin{array}{r} 4 \overline{)18} \\ \times 5 \\ \hline 90 \end{array}$$

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$$18. \quad 36x + 48 = 12x$$
$$\quad \quad \quad \underline{-36x} \quad \quad \quad \underline{-36x}$$
$$\quad \quad \quad 48 = -24x$$
$$\quad \quad \quad \underline{-24} \quad \quad \quad \underline{-24}$$
$$\quad \quad \quad -2 = x$$

$$20. \quad \frac{-2}{y-1} = \frac{4}{y+2}$$
$$\quad -2(y+2) = 4(y-1)$$

$$\quad \quad \quad \underline{-2y} \quad \underline{-4} = \underline{4y} \quad \underline{-4}$$
$$\quad \quad \quad \underline{+2y} \quad \underline{+2y}$$

$$\quad \quad \quad -4 = 6y - 4$$
$$\quad \quad \quad \underline{+4} \quad \quad \quad \underline{+4}$$

$$\quad \quad \quad 0 = 6y$$

$$\quad \quad \quad 0 = y$$

22.



$$3x + 44^\circ + x + 20^\circ = 180$$

$$64^\circ + 40x^\circ = 180^\circ$$
$$\quad \quad \quad \underline{-64^\circ} \quad \quad \quad \underline{-64^\circ}$$

$$\quad \quad \quad 4x = 116$$
$$\quad \quad \quad \underline{4} \quad \quad \quad \underline{4}$$

$$\quad \quad \quad x = 29$$

$$3x = 87$$

$$\begin{array}{r} 29 \\ 4 \overline{)116} \\ \underline{8} \\ 36 \\ \underline{36} \\ 0 \end{array}$$

$$x + 20 = 49$$
$$\quad \quad \quad \underline{29} \quad \underline{+20}$$