

check  $x = 25$   
 $(25 - 10) = 15$   
 $15 = 15 \checkmark$

check  $\frac{12}{3} = 4$   
 $4 = 4 \checkmark$

$$-2(-12) = 24$$
$$24 = 24 \checkmark$$

$$X = 1 \times$$

$$\begin{array}{r} 21) \quad 2x + 3 = -15 \\ \underline{-3} \quad \quad \quad -3 \\ 2x = -18 \\ \underline{2} \quad \quad \quad 2 \\ x = -9 \end{array}$$

$$-15 + -3$$

$$\begin{array}{r} \text{check } 2(-9) + 3 \\ -18 + 3 \\ -15 \end{array}$$

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$$\begin{array}{r} 22) \quad -3x - 5 = 16 \\ \underline{+5} \quad \quad \quad +5 \\ -3x = 21 \\ \underline{-3} \quad \quad \quad -3 \\ x = -7 \end{array}$$

$$\begin{array}{rcl} 23) & \frac{\textcircled{x}}{-8} - \cancel{2} & = -3 \\ & \phantom{\frac{x}{-8}} + \cancel{2} & \phantom{=} + 2 \\ \hline & \cancel{-8} \cdot \frac{x}{\cancel{-8}} & = -1 \cdot -8 \\ & x & = 8 \end{array}$$

$$\textcircled{1} \text{ -5 - 8 = -5 + -8 = -13}$$

$$\textcircled{2} |8 - 18| = |-10| = 10 \quad \text{Ex: } -17|$$

$$|8 + -18|$$

$$\textcircled{3} 5(-3) = -15$$

$$\textcircled{4} (-8)(-2) = 16$$

$$\textcircled{5} -24 \div 4 = -6$$

$$\textcircled{6} 8 + 3(2+1) - 5$$

$$8 + 3(3) - 5$$

$$8 + 9 - 5$$

$$17 - 5$$

$$\boxed{12}$$

$$8 + \underline{3 \cdot 3} - 5$$

$$\textcircled{7} \quad 6^2 = \underline{6} \cdot \underline{6} = 36$$

$$\text{Ex: } \underline{4^3} = 4 \cdot 4 \cdot 4 = 64$$

$\quad \quad \quad \vee$   
 $16 \cdot 4 = 64$

$$\textcircled{8} \quad (-8)^2 = (-8)(-8) = 64 \quad \text{If: } -8^2 = -64$$

$$\textcircled{9} \quad -(3)^3 = -(3 \cdot 3 \cdot 3) = -27$$

$\quad \quad \quad \vee$   
 $\quad \quad \quad -(9 \cdot 3)$   
 $\quad \quad \quad -27$

$$\begin{aligned} \textcircled{10} \quad & 4 - (3+2)^2 \div 5 \\ & 4 - (\overset{\vee}{5})^2 \div 5 \\ & 4 - 25 \div 5 \quad \text{or} \\ & 4 - 5 \\ & -1 \end{aligned}$$

$$\begin{aligned} & 4 - \underline{25 \div 5} \\ & 4 - 5 \\ & 4 + -5 \\ & -1 \end{aligned}$$

$$\textcircled{11} \left( \frac{2}{3} \right) \left( \frac{3}{4} \right) = \frac{6}{12} = \frac{1}{2} \quad \left( \frac{2}{3} \right) \left( \frac{3}{4} \right) = \frac{1}{2}$$

$$\frac{6}{12} = \frac{3}{6} = \frac{1}{2}$$

$$\textcircled{12} \frac{5}{8} \div \frac{4}{3} \rightarrow \left( \frac{5}{8} \right) \left( \frac{3}{4} \right) = \frac{15}{32}$$

$$\textcircled{13} \underline{2x} + \underline{4} + \underline{5x} + \underline{-8} = 7x - 4$$

$$\underline{7x} - \underline{4}$$

$$4 - 8 \text{ or } 4 + -8$$

$$\underline{-4} \quad \underline{-4}$$

14)  $\underline{-3x - 8x + 4} - 10$

✓

$-11x - 6$

$-3 - 8$   
 $-3 + -8$

15)  $\overbrace{5(3x - 2)} = 15x - 10$

16)  $\underline{-2(3x - 8)} = -6x + 16$

17)  $\underline{4(-2x + 3)} + \underline{2(-3x + 4)}$

$\underline{-8x + 12} \quad \underline{-6x + 8}$

$-14x + 20$