

90*.84	83.7
90*.72	75.6
90*.64	64.8
	57.6

84-90 → A  
 76-83 → B  
 65-75 → C  
 58 → 64 → D  
 57 ↓ → F

## Ch. 3 Quiz

ReQuiz

ReQuiz Corr.

Quiz

Quiz Corr.

⑤ Distance from zero.

⑥ Rotten Kid Thr

⑦ Mr. G. Shortcut.

**5 6 7**

⑩

$$t + (+10) = 2$$

$$t + 10 = 2$$

$$\begin{array}{r} -10 \quad -10 \\ \hline \end{array}$$

$$\underline{\underline{t = -8}}$$

$$\textcircled{17} \rightarrow \left( \frac{3}{7} m \right) = -6 \cdot \frac{2}{7}$$

$$m = -14$$

12

$$\frac{64}{-4} = \frac{-4a}{-4}$$

$$\underline{\underline{-16 = a}}$$

13

$$5 \cdot \frac{x}{5} = 16 \cdot 5$$

$$\underline{\underline{x = 80}}$$

14

$$-9r + 19 + 6r = 1 + 6r$$

$$-3r + 19 = 1 + 6r$$

$$\begin{array}{r} +3r \\ \hline \end{array}$$

$$19 = 1 + 9r$$

$$\begin{array}{r} -1 \quad -1 \\ \hline \end{array}$$

$$\frac{18}{9} = \frac{9r}{9}$$

$$\underline{\underline{r = 2}}$$

$$\begin{aligned}
 \textcircled{15} \quad & -2(4-x) - 7 = 5 - 2x \\
 & -2(4) + 2(x) - 7 = 5 - 2x \\
 & \underline{-8} + 2x \underline{-7} = 5 - 2x \\
 & 2x - 15 = 5 - 2x \\
 & \begin{array}{r}
 +2x \qquad \qquad \qquad +2x \\
 \hline
 4x - 15 = 5 \\
 \qquad \quad +15 \quad +15 \\
 \hline
 4x = 20 \\
 \underline{\quad 4} \quad \underline{\quad 4} \\
 x = 5 \\
 \hline \hline
 \end{array}
 \end{aligned}$$



$$\textcircled{16} \quad \frac{4}{3} \left( \frac{3}{4} (y+8) \right) = 9 \cdot \frac{4}{3}$$

$$y + 8 = 12$$
$$\begin{array}{r} -8 \quad -8 \\ \hline \end{array}$$

$$\underline{\underline{y = 4}}$$

17

$$26 - 4x = -2(2x - 18)$$

$$26 - 4x = -2(2x) + 2(18)$$

$$26 - 4x = -4x + 36$$

$+4x$        $+4x$

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$$26 = 36$$

False ... No Solution

18

$$12 + 11h = -18 - 4h$$

$$+4h$$

$$+4h$$

$$12 + 15h = -18$$

$$-12$$

$$-12$$

$$\frac{15h}{15} = \frac{-30}{15}$$

$$h = -2$$

$$\textcircled{19} \quad 15x - 23 = 15x + 23$$
$$\begin{array}{r} -15x \qquad \qquad -15x \\ \hline -23 = 23 \end{array}$$

False ... No Solution

21.

$$P_1 = P_2$$

$$12 + 1g = 6 + 2g$$

$$\begin{array}{r} -1g \\ \hline \end{array}$$

$$\begin{array}{r} -1g \\ \hline \end{array}$$

$$12 = 6 + g$$

$$\begin{array}{r} -6 \\ \hline \end{array}$$

$$\begin{array}{r} -6 \\ \hline \end{array}$$

$$\begin{array}{r} g \\ \hline \end{array}$$

~~6 weeks~~

$$\begin{array}{r} \hline \end{array}$$

21.2

😊

$$\begin{array}{r} 4x - 5 = 2x \\ -2x \quad -2x \\ \hline 2x - 5 = 0 \\ +5 \quad +5 \\ \hline \end{array}$$

$$\frac{2x}{2} = \frac{5}{2}$$

$$x = \frac{5}{2}$$

$$x \approx 2.5$$

☹️

$$\begin{array}{r} 4x - 5 = 2x \\ -4x \quad -4x \\ \hline -5 = -2x \\ \hline \end{array}$$

$$\frac{-5}{-2} = x$$

$$\frac{5}{2} = x$$

22

$$\begin{array}{r} 13.7t - 4.7 = 9.9 + 8.1t \\ -8.1t \qquad \qquad -8.1t \\ \hline \end{array}$$

$$\begin{array}{r} 5.6t - 4.7 = 9.9 \\ +4.7 \quad +4.7 \\ \hline \end{array}$$

$$\begin{array}{r} 5.6t = 14.6 \\ \hline 5.6 \quad 5.6 \end{array}$$

$$\underline{\underline{t \approx 2.61}}$$

23  $\frac{V}{lw} = \frac{lwh}{lw}$

$$\frac{V}{lw} = h$$

25  $\frac{V}{lw} = h \rightarrow \underline{\underline{exp.}}$

$$\frac{90}{8.5} = h \rightarrow \underline{\underline{sub.}}$$

$$\left. \begin{array}{l} \frac{90}{40} = h \\ 9 = h \\ \frac{9}{4} = h \\ 2.25 = h \end{array} \right\} \underline{\underline{9 \text{ simp}}}$$



$$\textcircled{24} \quad P = a + b + c$$

$$\begin{array}{r} P - a = b + c \\ -c \quad -c \end{array}$$

$$\underline{\underline{P - a - c = b}}$$

28

Average

$$\text{unit Rate} \frac{\text{miles}}{\text{galls}} = \frac{375 \text{ mi}}{25 \text{ gal}} = 15 \text{ mi/gal}$$

29

$$(15 \text{ m/gal})(8 \text{ gal}) = \underline{\underline{120 \text{ mi}}}$$

~~30~~

$$\frac{P}{W} = \frac{X}{100} = \frac{5}{20}$$

$$100 \cdot 5 = X \cdot 20$$

$$X = 25\%$$

30.2

$$\frac{P}{W} \frac{45}{100} = \frac{90}{X}$$

$$100 \cdot 90 = 45 \cdot X$$

$$X = \underline{\underline{\$200}}$$