

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

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

$$\underline{-10 \quad -10}$$

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

$$\textcircled{17} \quad \cancel{\frac{3}{3}} \left(\frac{3}{7} m \right) = -\cancel{6}^2 \cdot \cancel{\frac{7}{3}}^1$$

$$\underline{\underline{m = -14}}$$

12

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

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

13

$$5 \cdot \frac{x}{5} = 16.5$$

$$\underline{\underline{x = 8.25}}$$

14

$$\underline{-9r} + 19 + \underline{6r} = 1 + 6r$$

$$\begin{array}{r} -3r + 19 = 1 + 6r \\ +3r \qquad +3r \end{array}$$

$$19 = 1 + 9r$$

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

$$\begin{array}{r} 18 = 9r \\ \hline 9 \quad 9 \end{array}$$

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

$$\textcircled{15} \quad -2(4-x) - 7 = 5 - 2x$$

$$-2(4) + 2(x) - 7 = 5 - 2x$$

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

$$2x - 15 = 5 - 2x$$

$$\begin{array}{r} +2x \qquad \qquad \qquad +2x \\ \hline \end{array}$$

$$4x - 15 = 5$$

$$\begin{array}{r} +15 \quad +15 \\ \hline \end{array}$$

$$\begin{array}{r} 4x = 20 \\ \hline 4 \quad \quad 4 \end{array}$$

$$\underline{\underline{x = 5}}$$

16

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

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

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

17

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

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

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

$$\frac{+4x \quad +4x}{\hline}$$

$$26 = 36$$

False... No Solution

18

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

+ 4h

+ 4h

$$12 + 15h = -18$$

- 12

- 12

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

$$h = -2$$

$$\textcircled{19} \quad 15x - 23 = 15x + 23$$

$$\begin{array}{r} -15x \quad \quad \quad -15x \\ \hline -23 = 23 \end{array}$$

False ... No Solution

21.1

$$P_1 = P_2$$

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

$$\begin{array}{r} 12 + 1g = 6 + 2g \\ -1g \quad -1g \\ \hline 12 = 6 + g \\ -6 \quad -6 \\ \hline \end{array}$$

$$\underline{\underline{6 \text{ weeks} = g}}$$

21.2

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

$$\begin{array}{r} 2x = 5 \\ \hline x = \frac{5}{2} \\ x \approx 2.5 \end{array}$$

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

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

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

22

$$\begin{array}{r} 13.7t - 4.7 = 9.9 + 8.1t \\ - 8.1t \\ \hline 5.6t - 4.7 = 9.9 \end{array}$$

$$\begin{array}{r} 5.6t - 4.7 = 9.9 \\ + 4.7 \\ \hline 5.6t = 14.6 \end{array}$$

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

$$t \approx 2.61$$

23 $\frac{V}{lw} = \frac{lw h}{lw}$ 25 $\frac{V}{lw} = h \rightarrow \text{exp.}$

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

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

$$\frac{90}{40} = h$$

$$\frac{9}{4} = h$$

$$2.25 = h$$

} 9 simp.

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

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

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

27

1 hr = 60 min

$$\begin{array}{l|l} 39 \text{ hrs} & 60 \text{ min} \\ \hline & 1 \text{ hr} \end{array} = \underline{\underline{2340 \text{ min}}}$$

28

average

$$\text{Unit Rate} \frac{\text{miles}}{\text{gals}} = \frac{375 \text{ mi}}{25 \text{ gal}} = 15 \text{ mi/gal}$$

29

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

30

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

$$x \cdot 20 = 100 \cdot 5$$

$$x = 25\%$$

30

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

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

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