

Review for Test on 9-13-2024

$$7) \neq 9.25$$

$$\frac{-1.75}{7.50 \div \underline{3} = 2.50}$$

$$9.25 = 1.75 + 2x$$

$$4) 3(2x + 1) + x = -39$$

$$6x + 3 + x = -39$$

$$7x + 3 = -39$$

$$\begin{array}{r} -3 \\ -3 \end{array}$$

$$\frac{7x}{7} = \frac{-42}{7}$$

$$x = -6$$

$$\begin{array}{r} 8) \quad \frac{1}{5}q = 9 - \frac{2}{5}q \\ \quad + \frac{2}{5}q \quad \quad + \frac{2}{5}q \\ \hline \end{array}$$

$$\begin{array}{r} \frac{3}{5}q = 9 \\ \frac{3}{5}q = 9 \\ \hline q = 15 \end{array}$$

$$\begin{array}{r} 11) \quad 4(2x+4) = 4(3x+6) \\ \quad 12x+24 = 12x+24 \\ \quad \text{Many Sol} \end{array}$$

$$\begin{array}{r} 10) \quad 8x+3 = -8x \\ \quad \text{NO SOL} \end{array}$$

$$14) \quad A \Rightarrow \$50 + \$10m \quad B \Rightarrow \$10 + \$20m$$

$$1^{st} \quad 50 + 10(1) = \$60$$

$$2^{nd} \quad 50 + 10(2) = \$70$$

$$3^{rd} \quad 50 + 10(3) = \$80$$

$$4^{th} \quad 50 + 10(4) = \$90$$

$$1^{st} \Rightarrow 10 + (20)(1) = \$30$$

$$2^{nd} \Rightarrow 10 + (20)(2) = \$50$$

$$3^{rd} \Rightarrow 10 + 20(3) = \$70$$

$$4^{th} \Rightarrow 10 + 20(4) = \$90$$

4 months

$$50 + 10m = 10 + 20m$$

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

$$50 = 10 + 10m$$

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

$$40 = 10m$$

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

$$4 = m$$

$$1) \quad \begin{array}{r} 8y - 7 = 9 \\ +7 \quad +7 \\ \hline \end{array}$$

$$\begin{array}{r} 8y = 16 \\ \hline 8 \quad 8 \end{array}$$

$$y = 2$$

$$2) \quad \begin{array}{r} z + (z - 6) - 2 = -10 \\ z + z - 6 - 2 = -10 \end{array}$$

$$\begin{array}{r} 2z - 8 = -10 \\ +8 \quad +8 \\ \hline \end{array}$$

$$\begin{array}{r} 2z = -2 \\ \hline 2 \quad 2 \end{array}$$

$$z = -1$$

$$3) \quad 3.2x - 1.7x + 5.5 = 10$$

$$1.5x + 5.5 = 10$$

$$\begin{array}{r} -5.5 \quad -5.5 \\ \hline \end{array}$$

$$1.5x = 4.5$$

$$\begin{array}{r} 1.5 \quad 1.5 \\ \hline \end{array}$$

$$x = 3$$

$$x = 3$$

