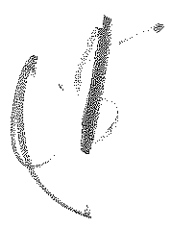


0-23
-14

27.

sec 2.7



$$x - \frac{5}{6} = \frac{7}{8}$$

$$\frac{x}{1} - \frac{5}{6} = \frac{7}{8}$$

LCB = 24

$$24 \cdot \left[\frac{x}{1} - \frac{5}{6} \right] = 24 \cdot \frac{7}{8}$$

$$24 \cdot \frac{x}{1} - \frac{24 \cdot 5}{6} = 21$$

3
24 · 7/8
1
APPENDIX 1

APP. 2

$$\begin{array}{r} 4 \sqrt{24 \cdot \frac{5}{6}} \\ 24 \cdot \frac{5}{6} \\ \hline = 20 \end{array}$$

$$24x - 20 = 21$$
$$+ 20 \quad + 20$$

$$24x = 41$$
$$\frac{24x}{24} = \frac{41}{24} \Rightarrow x = \frac{41}{24}$$

x = 41/24

6-23-14

2

27.

$$\frac{3}{5}t - 1 = 8$$

$$\frac{3}{5}t - \frac{1}{1} = \frac{8}{1}$$

$$5 \cdot \left[\frac{3}{5}t - \frac{1}{1} \right] = 5 \cdot \frac{8}{1}$$

$$\cancel{5} \cdot \frac{3}{\cancel{5}}t - 5 \cdot \frac{1}{1} = \frac{40}{1}$$

$$3t - 5 = 40$$

$$+ 5 \quad + 5$$

$$3t = 45$$

$$\frac{3t}{3} = \frac{45}{3} \Rightarrow t = 15$$

2.2

3

23

$$5.3 + 1.2n = 1.94$$

↖ ↗

→

2 TIMES

(100)

$$100 \cdot (5.3 + 1.2n) = 100 \cdot 1.94$$

$$100 \cdot 5.3 + 100 \cdot 1.2n = 194$$

(194 = 194)

$$530 + 120n = 194$$

$$\begin{array}{r} 530 + 120n = 194 \\ -530 \\ \hline 120n = -336 \end{array}$$

$$\begin{array}{r} 120n = -336 \\ \hline \frac{120}{120}n = \frac{-336}{120} \end{array}$$

$$\begin{array}{r}
 2.8 \\
 \hline
 120 \overline{) 336.0} \\
 \underline{- 240} \downarrow \\
 960 \\
 \underline{- 960} \\
 0
 \end{array}$$

(4)

sec 2.2

$$\begin{array}{r}
 70 + 21t = 96t - 49 \\
 \underline{- 70} \qquad \qquad \qquad \underline{- 70}
 \end{array}$$

$$\begin{array}{r}
 21t = 96t - 125 \\
 \underline{- 96t} \qquad \underline{- 96t}
 \end{array}$$

$$\begin{array}{r}
 -75t = -125 \\
 \underline{-75t} \qquad \underline{-75t} \\
 75t = 125 \\
 \rightarrow t = \frac{125}{75} = \frac{5}{3}
 \end{array}$$

65

Quiz 2: sections 1.7, 1.8, 2.1
Study YELLOW PAGES: Q3, Q4 - SIDE BARS
ALSO lecture notes

8-28-13
9-04-13,
AS BACKUP.