

BE-1A WEDNESDAY 11-28-07

① SOLVE: $\frac{2}{5}x = 16$

② SOLVE: $4x + 2 = -2$

③ SOLVE: $2(x-3)+5 = 3(x-1)$

Homework Review: Pg. 152 # 22-29

Pg 146 # 46

Pg 146 Find 4 consecutive integers
#46 whose sum is 94.

Let N be the first of four consecutive integers.

$$\begin{array}{ccccccc}
 N & + & (N+1) & + & (N+2) & + & (N+3) = 94 \\
 \uparrow & & \uparrow & & \uparrow & & \uparrow \\
 \text{First} & & \text{Second} & & \text{Third} & & \text{Fourth} \\
 \text{integer} & & \text{integer} & & \text{integer} & & \text{integer}
 \end{array}$$

$$N + N + 1 + N + 2 + N + 3 = 94$$

$$\begin{array}{ccccccc}
 N & + & N & + & N & + & N & + & 1 & + & 2 & + & 3 & = & 94 \\
 \downarrow & \downarrow & \downarrow & \downarrow & & & \downarrow & \downarrow & \downarrow & & & & & & \\
 4N & & & & & & 6 & & & & & & & &
 \end{array}$$

$$\begin{array}{rcl}
 4N & + & 6 = 94 \\
 & - & 6 \quad - 6
 \end{array}$$

$$\begin{array}{rcl}
 4N & & = 88 \\
 \hline
 4 & & 4
 \end{array}$$

$$N = 22$$

$$\therefore \underline{22 + 23 + 24 + 25 = 94}$$

$$\begin{array}{r}
 \text{CK} \\
 22 \\
 23 \\
 24 \\
 25 \\
 \hline
 94 \checkmark
 \end{array}$$

Group practice:

Page 826 Lesson 3-5

Column 1 = #1 to 21 ODDS

Homework: None