

P171
2-30 evens

$$\textcircled{\#4} \quad \frac{3}{y} = \frac{15}{35}$$

$$\frac{15y}{15} = \frac{1 \cdot 7}{8 \cdot 35}$$

$$y = 7$$

P179
3-18 all

$\textcircled{\#3}$

$$\frac{x \cdot 75}{75} = \frac{27}{75}$$

$$x = .36$$

$\textcircled{36\%}$

$\textcircled{\#14}$

$$\frac{18}{d+13} = \frac{6}{d-13}$$

$$18(d-13) = 6(d+13)$$

$$\begin{array}{r} 18d - 234 \\ -6d + 234 \\ \hline 12d = 312 \end{array} = \begin{array}{r} 6d + 78 \\ -6d + 234 \\ \hline -6d + 234 \end{array}$$

$$\frac{12d}{12} = \frac{312}{12}$$

$$d = 26$$

$\textcircled{\#8}$

$$\frac{42}{2} = \frac{2 \cdot x}{2}$$

$$x = 21$$

$\textcircled{\#10}$

$$\frac{x \cdot 225}{225} = \frac{99}{225}$$

$$x = .44$$

$\textcircled{44\%}$

$\textcircled{\#26}$

$$\frac{6}{4+2w} = \frac{-2}{w-10}$$

$$6(w-10) = -2(4+2w)$$

$$\begin{array}{r} 6w - 60 \\ +4w + 60 \\ \hline 10w = +52 \end{array} = \begin{array}{r} -8(-4w) \\ +60 + 4w \\ \hline +60 + 4w \end{array}$$

$$\frac{10w}{10} = \frac{+52}{10}$$

$$w = 5.2$$

$\textcircled{\#18}$

$$\frac{71.5}{.52} = \frac{.52 \cdot x}{.52}$$

$$x = 137.5$$