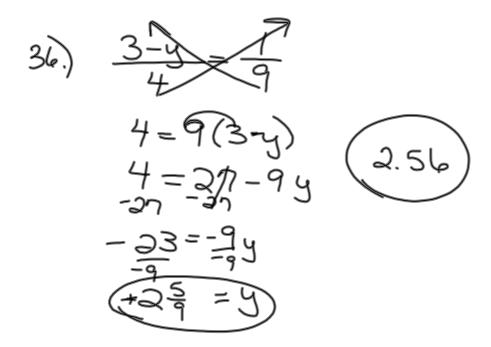
$$\frac{36}{100} = \frac{900}{70}$$

$$0.36 n = 900$$

$$\begin{array}{c|c}
9b-3 & 5b+5 \\
\hline
9(5b+5) & = 3(9b-3) \\
45b+45 & = 27b-9 \\
-27b & -45 \\
\hline
18b+45 & = -9 \\
-45 & -45 \\
\hline
18b & = -54 \\
\hline
18b & = -3
\end{array}$$



$$\frac{1 \text{ in.}}{1.69 \text{ ft.}} = \frac{110.3 \text{ in}}{1}$$

$$\frac{42.}{84 \text{ H}^2} = \frac{0.5 \text{ gof}}{932 \text{ H}^2}$$

2-7 Percent of Change

<u>change</u> = written as a percent

Percent of Increase: new > original Percent of Decrease: new < original

1a) original = 20

final = 23
$$\frac{3}{20}$$
 increase

 $\frac{3}{20} = \frac{15}{100}$ (15?)

$$\frac{66}{30}$$
 $\frac{36}{66}$ = 0.54 ≈ 557 .

$$\frac{\text{change}}{\text{original}} = \frac{\%}{100}$$

$$\frac{17.22 - 100}{100} \qquad n = \# \text{ in } 2007$$

$$10n = 100 (17.22 - 100)$$

$$10n = 1722 - 100$$

$$\frac{110n}{110} = \frac{1722}{110}$$

$$n = 15.654$$

$$2 15.65 \text{ million}$$

2
$$n = \text{original fuition}$$

33,408- $n = 150$ (33,400- n)

 $n = 31,696.39$