3.2 Solving Inequalities by Adding or Subtracting.

CA #5.0 9/27/10

Ex.1A $x + 9 < 15$

$$\begin{array}{rcl} -9 & & -9 \\ \hline x & < & 6 \end{array}$$

1B

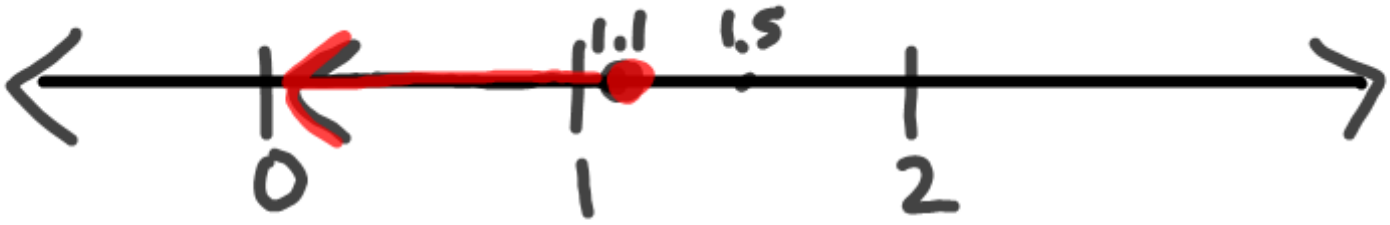
$$d - 3 > 6$$
$$\underline{\quad +3 \quad} \quad \underline{+3}$$
$$\underline{d} > -3$$

1C $.7 \geq n - .4$

$+.4 \qquad +.4$

$1.1 \geq n$

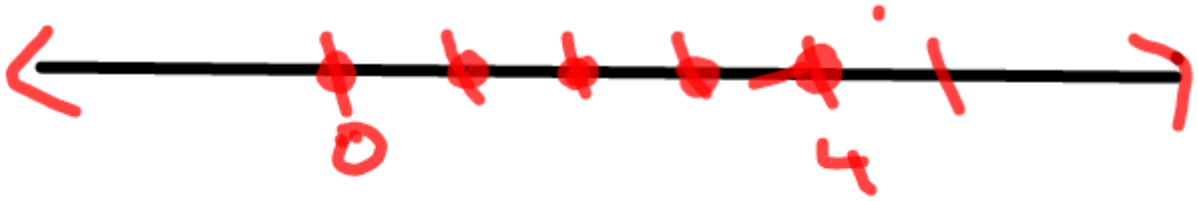
$n \leq 1.1$



Ex.2

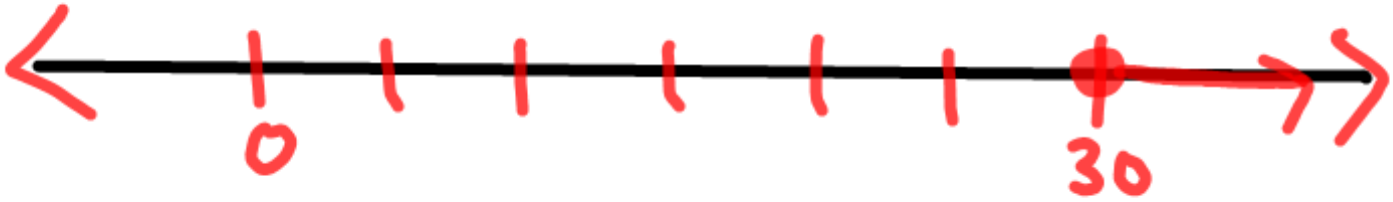
$$16 + p \leq 20$$
$$-16 \qquad\qquad -16$$

$$p \leq 4$$



Ex.3

$$220 + p \geq 250$$
$$-220 \qquad\qquad -220$$
$$p \geq 30$$



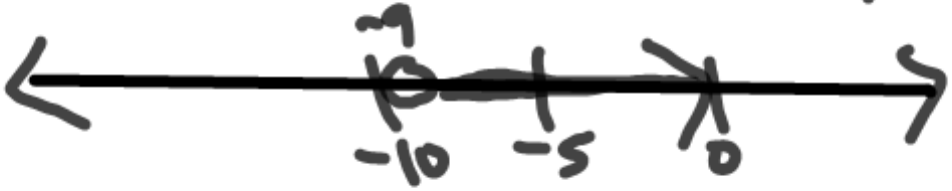
3.3 Solving Inequalities by Multiplying & Dividing.

CA # 5.0 9/27/10.

Ex. 1A

$$\frac{3x}{3} > \frac{-27}{3}$$

$$x > -9$$



1B $\frac{3}{2} \cdot \frac{12}{3} r < 6 \cdot \frac{3}{2}$

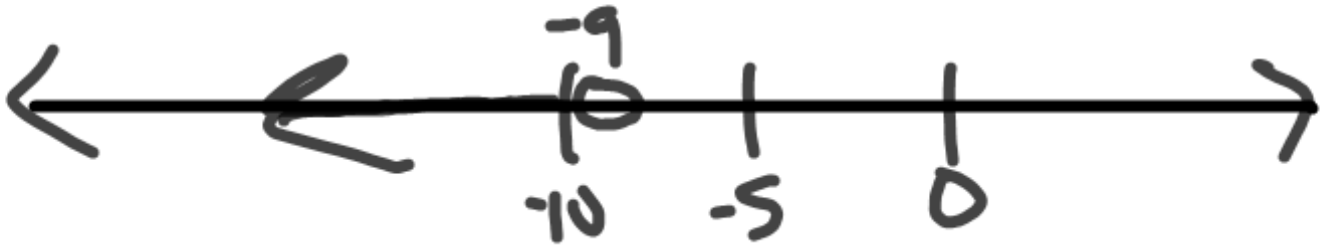
$r < 9$

$$\frac{\frac{2}{3}}{\frac{2}{3}}$$

$$\frac{2}{3} \div \frac{2}{3}$$

$$\frac{2}{3} \cdot \frac{3}{2}$$

Ex.2 A

$$\frac{-8x}{-8} > \frac{72}{-8}$$

$$x < -9$$