

8/28 Algebra 1 - Downing

Bellwork - Use $<$, $>$ or $=$ to compare.

- 1) $4 = 4$ 2) $7 > -2$ 3) $-5 < 4$
 4) $4 > -3$ 5) $3 > -6$ 6) $4 > -1$

PC Practice Worksheet

$$1) \frac{5}{6} = -1\frac{1}{2}p - \frac{2}{3}$$

$$\frac{5}{6} = -\frac{3(\frac{1}{2})}{2}p - \frac{2}{3}(\frac{2}{2})$$

$$\frac{5}{6} = -\frac{9}{6}p - \frac{4}{6}$$

$$5 = -9p - 4$$

$$9 = -9p$$

$$\boxed{-1 = p}$$

$$3) \frac{13}{30} = -1\frac{2}{3} - \frac{3}{2}p$$

$$\downarrow \quad \downarrow \quad \downarrow$$

$$\frac{13}{30} = -\frac{5(\frac{10}{10})}{3} - \frac{3(\frac{15}{15})}{2}p$$

$$\frac{13}{30} = -\frac{50}{30} - \frac{45}{30}p$$

$$13 = -50 - 45p$$

$$63 = -45p$$

$$\boxed{-\frac{7}{5} = p}$$

$$6) \frac{n}{2} + 9 = 14$$

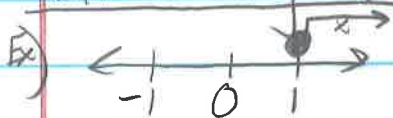
$$-9 \quad -9$$

* Go over HW

$$\frac{n}{2} = 5$$

$$n = 10$$

2.1 Writing and Graphing Inequalities

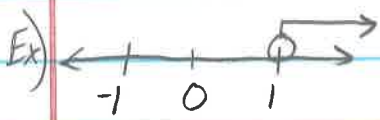


$$x \geq 1$$

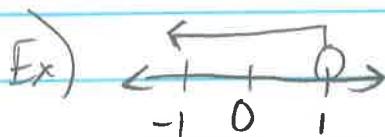


$$x \leq 1$$

"x is all numbers less than or equal to 1"



$$x > 1$$



$$x < 1$$

$$2 \leq x \text{ Rewrite } \rightarrow x \geq 2$$

HW: WS 2.1 Writing + Graphing Ineq.