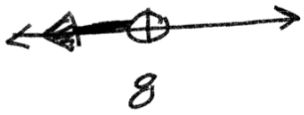
T-A1 Algebra 1 Week 19

$x \leq 3$

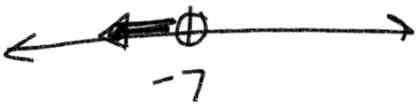
$8 > x$



$f + 12 < 5$

$-12 \quad -12$

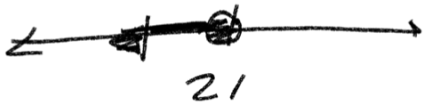
$f < -7$



$18 \geq y - 3$

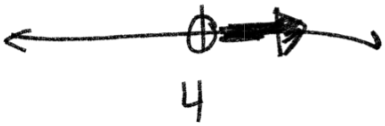
$+3 \quad +3$

$21 \geq y$



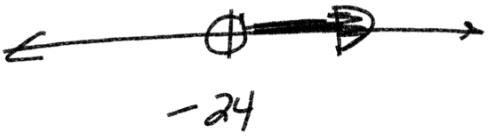
$\frac{8n}{8} > \frac{32}{8}$ *

$n > 4$



$(-7)\left(\frac{y}{-7}\right) < (12)(-2)$

$y > -24$

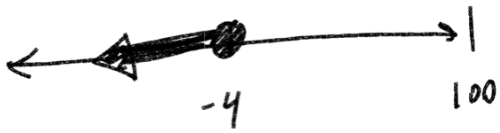


$$-3x + 5 \geq 17$$
$$\quad -5 \qquad -5$$

$$\frac{-3x}{-3} \geq \frac{12}{-3}$$

$$x \leq -4$$

100



$$3(4g-6) \geq 6(g+2)$$

$$12g - 18 \geq 6g + 12$$
$$-6g \qquad -6g$$

$$6g - 18 \geq 12$$
$$+18 \quad +18$$

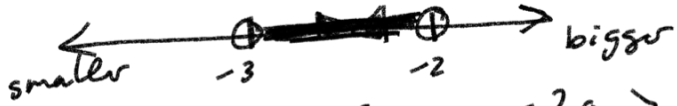
$$\frac{6g}{\boxed{6}} \geq \frac{30}{\boxed{6}}$$

$$g \geq 5$$

$$\frac{-2d}{-2} > \frac{4}{-2} \quad \text{and} \quad \frac{4d}{4} > \frac{-12}{4}$$

"convergent"

$$d < -2 \qquad d > -3$$

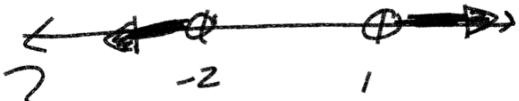


$$14 + 4a > 18 \quad \text{or} \quad \frac{-2a}{-2} > \frac{4}{-2}$$
$$-14 \qquad -14$$

$$\frac{4a}{4} > \frac{4}{4}$$

$$a > 1$$

$$a < -2$$



$$\boxed{-3 <} \left\{ 3h - 6 \leq 15 \right\}$$
$$+6 \qquad +6$$

$$\boxed{\frac{3}{3} <} \quad \frac{3h}{3} \leq \frac{21}{3}$$

$$1 < h \qquad h \leq 7$$

$$1 < h \leq 7$$

$$|a| + 6 = 8$$
$$\quad -6 \quad -6$$

$$|a| = 2$$

$$a = 2 \qquad a = -2$$

$$-3x - 8 = 4$$
$$\quad +8 \quad +8$$

$$-3|x| - 8 = 4$$
$$\quad +8 \quad +8$$

$$\frac{-3|x|}{-3} = \frac{12}{-3}$$

$$|x| = -4$$

$\boxed{\text{no solution}}$

$$\{5 > a + 3\}$$
$$-3 \qquad -3$$

$$5 > |v+2| + 3$$
$$-3 \qquad\qquad -3$$

$$2 > |v+2|$$

$$2 > v+2 \qquad -2 < v+2$$
$$-2 \qquad -2 \qquad -2 \qquad -2$$

$$0 > v \qquad -4 < v$$

$$\cancel{7}\left(\frac{|-10n-2|}{\cancel{7}}\right) = (1)7$$

$$|-10n-2| = 7$$

$$-10n-2 = 7$$
$$+2 \quad +2$$
$$\frac{-10n}{-10} = \frac{9}{-10}$$
$$\boxed{n = \frac{-9}{10}}$$

$$-10n-2 = -7$$
$$+2 \quad +2$$
$$\frac{-10n}{-10} = \frac{-5}{-10}$$
$$\boxed{n = \frac{1}{2}}$$

HW

Ch 3 Pre-Test

Optional Online HW 19

Ch 3 Review

Ch 3 Test (due Feb 23rd)

HW/Quiz 17 due tonight-ish

HW/Quiz 18 due Feb 16th