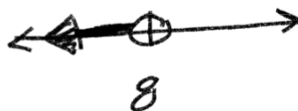


T-A1 Algebra 1 Week 19

$$x \leq 3$$

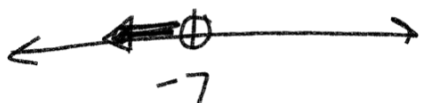


$$8 > x$$



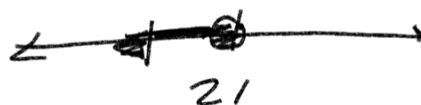
$$\begin{array}{rcl} f + 12 & < & 5 \\ -12 & -12 & \end{array}$$

$$f < -7$$



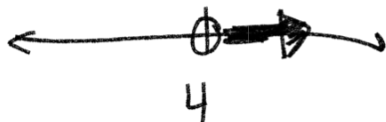
$$\begin{array}{rcl} 18 & \geq & y - 3 \\ +3 & & +3 \end{array}$$

$$21 \geq y$$



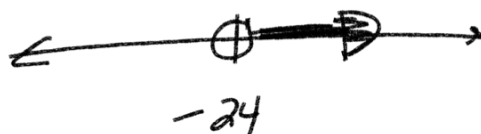
$$\begin{array}{rcl} 8n & > & 32 \\ \div 8 & & \div 8 \end{array}$$

$$n > 4$$



$$\begin{array}{rcl} (-7) & \left(\frac{y}{-7} \right) & < (12)(-2) \end{array}$$

$$y > -24$$

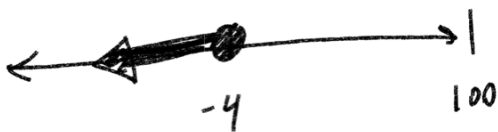


$$\begin{array}{rcl} -3x + 5 & \geq & 17 \\ -5 & & -5 \end{array}$$

$$\begin{array}{rcl} -3x & \geq & 12 \\ \frac{-3}{-3} & & \frac{12}{-3} \end{array}$$

$$x \leq -4$$

100

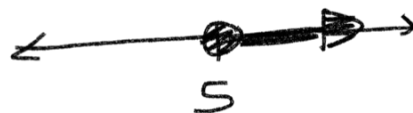


$$3(4g-6) \geq 6(g+2)$$

$$\begin{array}{rcl} 12g - 18 & \geq & 6g + 12 \\ -6g & & -6g \end{array}$$

$$\begin{array}{rcl} 6g - 18 & \geq & 12 \\ +18 & & +18 \end{array}$$

$$\boxed{\frac{6g}{6} \geq \frac{30}{6}} \quad g \geq 5$$

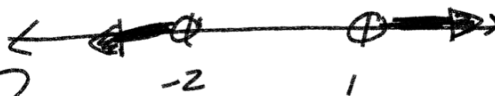


$$\begin{array}{l} \frac{-2d}{-2} > \frac{4}{-2} \\ d < -2 \end{array} \quad \text{and} \quad \begin{array}{l} \frac{4d}{4} > \frac{-12}{4} \\ d > -3 \end{array}$$

↑
convergent

$$\begin{array}{l} \text{smaller} \quad \text{bigger} \\ \begin{array}{rcl} 14 + 4a & > & 18 \\ -14 & & -14 \end{array} \quad \text{or} \quad \begin{array}{rcl} -2a & > & 4 \\ -2 & & -2 \end{array} \\ \frac{4a}{4} & > & \frac{4}{4} \\ a & > & 1 \end{array}$$

(a < -2)



$$1 < h \leq 7$$

$$1 < h \leq 7$$

$$\boxed{-3 < \frac{3h-6}{+6} \leq \frac{15}{+6}}$$

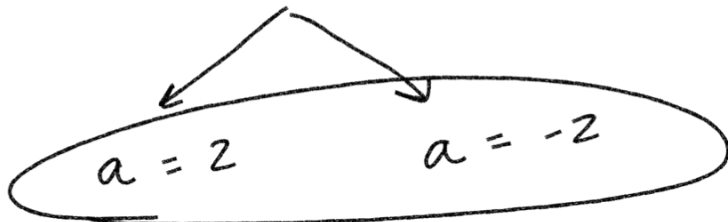
$$\boxed{\frac{3}{3} < \frac{3h}{3} \leq \frac{21}{3}}$$



$$|a| + 6 = 8$$

-6 -6

$$|a| = 2$$



$$-3x - 8 = 4$$

+8 +8

$$-3|x| - 8 = 4$$

+8 +8

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

$$|x| = -4$$

No solution

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

-3 -3

$$5 > |v+2| + 3$$

-3 -3

$$2 > |v+2|$$

$$2 > v+2$$

-2 -2

$$0 > v$$

$$-2 < v+2$$

-2 -2

$$-4 < v$$



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

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

$$\begin{array}{r} -10n-2 = 7 \\ +2 \quad +2 \end{array}$$

$$\begin{array}{r} -10n = 9 \\ \hline -10 \quad -10 \end{array}$$

$$n = \frac{-9}{10}$$

$$\begin{array}{r} -10n-2 = -7 \\ +2 \quad +2 \end{array}$$

$$\begin{array}{r} -10n = -5 \\ \hline -10 \quad -10 \end{array}$$

$$n = \frac{1}{2}$$

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