

Name: _____

Period: _____

Assignment: _____

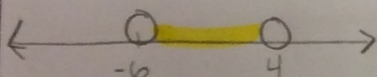
Digits work earns you credit, not just answers.

17)

$$-3 < 3 + 5 < 7$$

$$\begin{array}{ccc} -3 & -3 & -3 \\ \hline -6 & & 4 \end{array}$$

$$\boxed{-6 < 5 < 4}$$

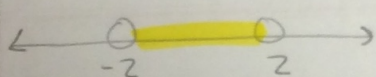


19)

$$-1 < \frac{1}{2}x < 1$$

$$\begin{array}{ccc} \cdot 2 & \cdot 2 & \cdot 2 \\ \hline -2 & & 2 \end{array}$$

$$\boxed{-2 < x < 2}$$



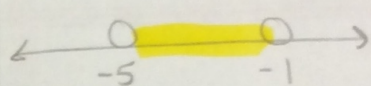
11)

$$-6 < 9 + 3y < 6$$

$$\begin{array}{ccc} -9 & -9 & -9 \\ \hline -15 & & -3 \end{array}$$

$$\begin{array}{ccc} -15 & & -3 \\ \hline 3 & & 3 \end{array}$$

$$\boxed{-5 < y < -1}$$

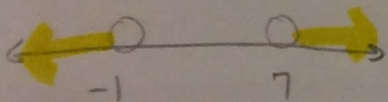


13)

$$d - 3 > 4 \quad \text{or} \quad d - 3 < -4$$

$$\begin{array}{ccc} +3 & +3 & +3 \\ \hline d & & d \end{array}$$

$$\boxed{d > 7} \quad \text{or} \quad \boxed{d < -1}$$



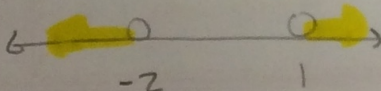
15)

$$7 + 2a > 9 \quad \text{or} \quad -4a > 8$$

$$\begin{array}{ccc} -7 & -2 & -4 \\ \hline 2a & & -4a \end{array}$$

$$\begin{array}{ccc} \frac{2a}{2} & & \frac{-4a}{-4} \\ \hline a & & -2 \end{array}$$

$$\boxed{a > 1} \quad \text{or} \quad \boxed{a < -2}$$

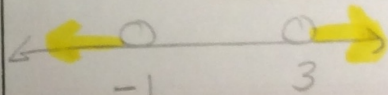


17)

$$c - 1 \geq 2 \quad \text{or} \quad c - 1 \leq -2$$

$$\begin{array}{ccc} +1 & +1 & +1 \\ \hline c & & c \end{array}$$

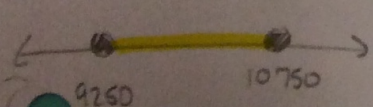
$$\boxed{c \geq 3} \quad \text{or} \quad \boxed{c \leq -1}$$



19)

$$-750 \leq n - 10,000 \leq 750$$

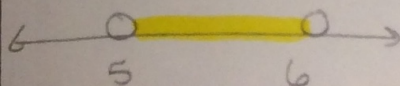
$$\boxed{9250 \leq n \leq 10750}$$



20)

$$25 < 5n < 30$$

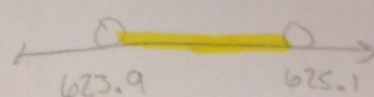
$$\boxed{5 < n < 6}$$



21)

$$629.4 < 55 + w < 630.6$$

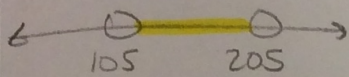
$$\boxed{623.9 < w < 625.1}$$



100) 22)

$$500 < 395 + d < 600$$

$$105 < d < 205$$

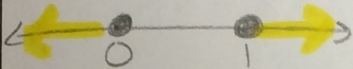


110) 23)

$$2n - 1 \geq 1 \text{ or } 2n - 1 \leq -1$$

$$\frac{2n}{2} \geq \frac{2}{2} \quad \frac{2n}{2} \leq \frac{-1}{2}$$

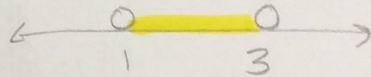
$$n \geq 1 \text{ or } n \leq 0$$



120) 25)

$$-1 < h - 2 < 1$$

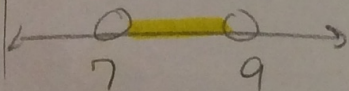
$$1 < h < 3$$



130) 27)

$$9 < x + 2 < 11$$

$$7 < x < 9$$

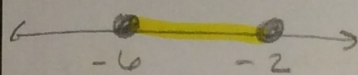


140) 29)

$$-3 \leq \frac{3}{2}x + 6 \leq 3$$

$$-9 \leq \frac{3}{2}x \leq -3$$

$$-6 \leq x \leq -2$$

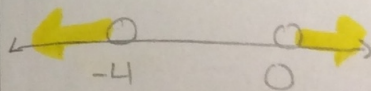


150) 31)

$$\frac{1}{2}x + 1 > 1 \text{ or } \frac{1}{2}x + 1 < -1$$

$$x > 0 \text{ or } x < -4$$

$$x < -4 \text{ or } x > 0$$

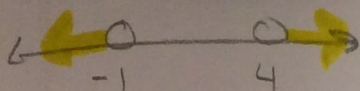


160) 33)

$$w - 3 > 4 \text{ or } w - 3 < -4$$

$$w > 4 \text{ or } w < -1$$

$$w < -1 \text{ or } w > 4$$

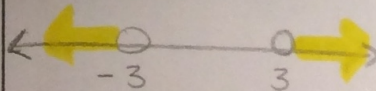


170) 35)

$$t + 5 < 2 \text{ or } 3t + 1 > 10$$

$$t < -3 \text{ or } 3t > 9$$

$$t < -3 \text{ or } t > 3$$



180) 37)

$$6x - 3 \geq 3 \text{ or } 6x - 3 \leq -3$$

$$x \geq 1 \text{ or } x \leq 0$$

$$x \leq 0 \text{ or } x \geq 1$$

