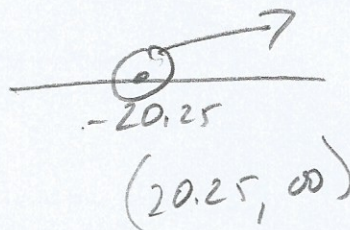


- 14) The sum of a number and 81 is greater than the product of  $-3$  and that number. What are the possible values for the number?

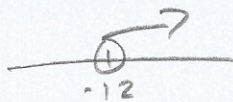
$$\begin{aligned} x+81 &> -3x \\ +3x &-81 \\ \hline 4x &> -81 \\ \frac{4x}{4} &> \frac{-81}{4} \\ x &> -20.25 \end{aligned}$$

all solutions are greater than  $-20.25$



- 15) Four times a number is greater than  $-48$ . What are the possible values for the number?

$$\begin{aligned} 4x &> -48 \\ x &> -12 \end{aligned}$$

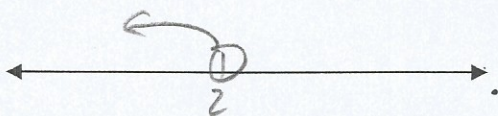


Solve the inequality and graph the solution and give interval notation. **BOX** Highlight your answer.

16.  $3x - 4 < 2$

$$\begin{aligned} 3x &< 6 \\ x &< 2 \end{aligned}$$

$$(-\infty, 2)$$

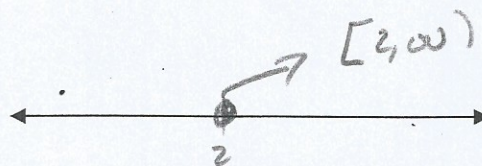


17.  $2(5x - 3) \geq 14$

$$5x - 3 \geq 7$$

$$5x \geq 10$$

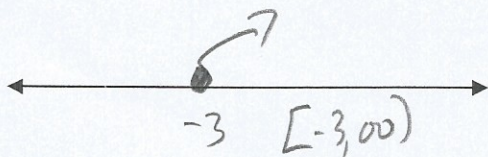
$$x \geq 2$$



18.  $8 - 3x \leq 17$

$$-3x \leq 9$$

$$x \geq -3$$



19.  $12x - 6 \geq 14x - 2$

$$-4 \geq 2x$$

$$-2 \geq x$$

