

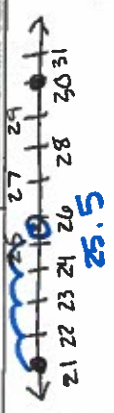
Show Work Here:

$$|x - 200| = 5$$

$$\begin{array}{l} x - 200 = -5 \\ +200 \quad +200 \\ \hline x = 195 \end{array}$$

$$\boxed{x = 205}$$

Some say to brew an excellent cup of coffee, you must have a brewing temperature of 200 degree fahrenheit, plus or minus 5 degrees. Write and solve an equation describing the maximum and minimum brewing temperatures for an excellent cup of coffee.



$$|x - 25.5| = 4.5$$

Pyramid Review:

Absolute Value

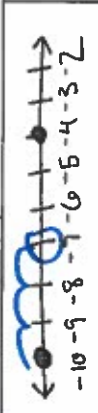
Equations

Write an abs. val. equation and solve

Create an equation

Isolate and solve

Solve



$$|x + 7| = 3$$

$$6 + |a - 3| = 12$$

$$|a - 3| = 6$$

$$\begin{array}{l} a - 3 = 6 \\ +3 \quad +3 \\ \hline a = 9 \end{array}$$

$$\boxed{a = -3}$$

$$2|n + 5| = 4$$

$$|n + 5| = 2$$

$$\begin{array}{l} n + 5 = 2 \\ -5 \quad -5 \\ \hline n = -3 \end{array}$$

$$\boxed{n = -7}$$

$$3|2y + 4| - 5 = 7$$

$$3|2y + 4| = 12$$

$$\begin{array}{l} |2y + 4| = 4 \\ 2y + 4 = 4 \\ -4 \quad -4 \\ \hline 2y = 0 \\ \frac{2y}{2} = \frac{0}{2} \\ y = 0 \end{array}$$

$$\boxed{y = -4}$$

$$|6m - 3| = 9$$

$$6m - 3 = 9$$

$$6m = 12$$

$$\boxed{m = 2}$$

$$6m - 3 = -9$$

$$6m = -6$$

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

$$|b + 4| = 2$$

$$b + 4 = 2$$

$$b = -6$$

$$\boxed{b = -2}$$

$$|3z - 3| = 9$$

$$3z - 3 = 9$$

$$3z = 12$$

$$\boxed{z = 4}$$

$$3z - 3 = -9$$

$$3z = -6$$

$$\boxed{z = -2}$$

$$|2t - 4| = 8$$

$$2t - 4 = 8$$

$$2t = 12$$

$$\boxed{t = 6}$$

$$2t - 4 = -8$$

$$2t = -4$$

$$\boxed{t = -2}$$