

Name:

Date:

Period:

Absolute Value Equations HANGMAN



$$x = \{-5, -4\} \quad x = \{6\} \quad x = \{-9, 7\} \quad x = \{-6, 0\} \quad x = \{-7, -1\} \quad x = \{1, 2\}$$

Directions: Guess the message. Choose a letter and solve the absolute value equation.

Check to see if the solution matches the above blanks. Add a body part if not a match.

A $6|3 - 2x| + 5 = 11$

$$x = \{ \quad \}$$

E $-3\left|\frac{x+1}{2}\right| + 5 = -7$

$$x = \{ \quad \}$$

G $4|2x - 6| + 5 = 5$

$$x = \{ \quad \}$$

I $0.5|8.8 - 1.6x| = 2$

$$x = \{ \quad \}$$

L $4|6x - 33| - 5 = 7$

$$x = \{ \quad \}$$

M $2|-3x - 12| - 10 = 8$

$$x = \{ \quad \}$$

N $\frac{5}{7}\left|3 - \frac{1}{2}x\right| + 8 = 8$

$$x = \{ \quad \}$$

P $3|18 + 4x| - 5 = 1$

$$x = \{ \quad \}$$

R $\frac{2}{7}|-x - 3| = 2$

$$x = \{ \quad \}$$

U $\frac{2}{3}|x + 3| - 5 = -3$

$$x = \{ \quad \}$$