

Name _____

Quick Absolute Value Graph Worksheet

Sketch a graph of the following equations using the horizontal and vertical shifts approach.

$$1. Y = -|x - 3| + 7 \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$2. Y = |x + 4| \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$3. Y = |x - 7| - 6 \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$4. Y = -|x - 2| \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$5. Y = 6 - |x + 7| \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$6. Y = -5 + |x + 2| \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$7. Y = |x| + 6 \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$8. Y = -|x| - 4 \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$* 9. Y = -|x - (-5)| + 3 \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

$$* 10. Y = 5 + |x + 1| \quad \begin{array}{l} HS = \\ VS = \\ ref = \end{array}$$

