

# ABSOLUTE VALUE QUESTIONS



**NAME:** \_\_\_\_\_

- ## 1. Evaluate

a.  $|6|$  \_\_\_\_\_

e.  $-|-3|$  \_\_\_\_\_

b.  $|-12|$  \_\_\_\_\_

f.  $|-3| + |2|$  \_\_\_\_\_

c.  $-|2|$  \_\_\_\_\_

g.  $|-4| + |4|$

d.  $|-2|$  \_\_\_\_\_

h.  $|-4 - (-2)|$  \_\_\_\_\_

2. Insert an absolute value symbol to make the equation true

a.  $-2 - (-3) - (-4) = 3$

d.  $-1 + (-2) - (-3) = 4$

b.  $-1 + (-2) - (-3) = -2$

e.  $-2 - (-3) - (-4) = -1$

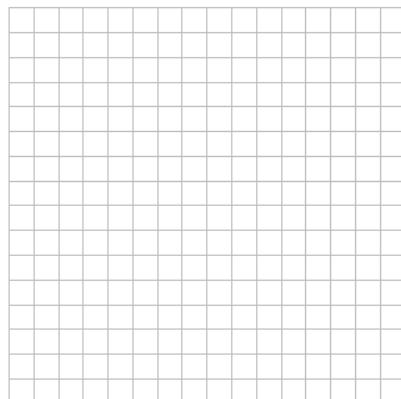
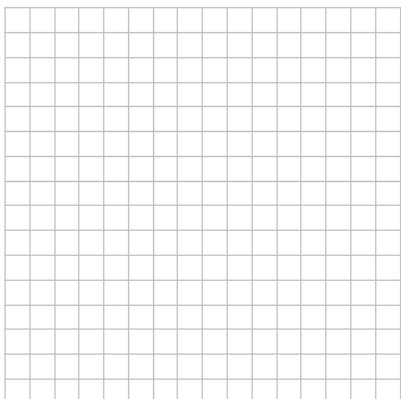
c.  $-2 - (-3) - (-4) = -9$

f.  $-3 - (-4) = -1$

3. Fill in the table of values for each absolute value function, and then plot each function.

$$y = |x - 1|$$

$$y = |2x + 4|$$



$$y = \left| \frac{1}{2}x - 1 \right|$$

$$y = |x^2 - 4|$$

