

## Absolute Value as Piecewise Functions (Algebraic) Worksheet

**Rewrite each Absolute Value Function as a Piecewise function.**

1.  $y = |x - 3|$

2.  $y = |x + 1| - 3$

3.  $y = |x - 2| + 1$

4.  $y = -|x + 4|$

5.  $y = 2|x + 5| - 4$

6.  $y = 4|x - 6| + 7$

7.  $y = -3|x + 1|$

8.  $y = 6|x| + 2$

9.  $y = -2|x - 1| + 10$

10.  $y = \frac{1}{2}|x - 8| + 5$

11.  $y = |2x - 12| + 4$

12.  $y = -\frac{1}{3}|x - 6| - 4$