

Name: \_\_\_\_\_

Score: \_\_\_\_\_

**Absolute Value Expression**

E

Evaluate the value of each expression:

1) $f(x) = - x  + 2$ at $x = -1$  $f(-1) =$	2) $f(x) =  x + 1 $ at $x = 4$  $f(4) =$
3) $f(x) = -\frac{ 6x }{2}$ at $x = -2$  $f(-2) =$	4) $f(x) =  5x $ at $x = 6$  $f(6) =$
5) $f(x) =  x  - 3$ at $x = -3$  $f(-3) =$	6) $f(x) = - x - 7 $ at $x = 2$  $f(2) =$
7) $f(x) = \left \frac{12}{4x}\right $ at $x = 1$  $f(1) =$	8) $f(x) = - 3x $ at $x = -5$  $f(-5) =$
9) $f(x) =  x  - 9$ at $x = 7$  $f(7) =$	10) $f(x) =  x - 8 $ at $x = -6$  $f(-6) =$
11) $f(x) = -\frac{ 18x }{9}$ at $x = -4$  $f(-4) =$	12) $f(x) =  7x $ at $x = -3$  $f(-3) =$
13) $f(x) =  x + 8 $ at $x = -1$  $f(-1) =$	14) $f(x) = \frac{6}{ 3x }$ at $x = 2$  $f(2) =$

Name: \_\_\_\_\_

Answer key

Score:

**Absolute Value Expression**

E

1)  $f(x) = -|x| + 2$  at  $x = -1$

$f(-1) = 1$

2)  $f(x) = |x + 1|$  at  $x = 4$

$f(4) = 5$

3)  $f(x) = -\frac{|6x|}{2}$  at  $x = -2$

$f(-2) = -6$

4)  $f(x) = |5x|$  at  $x = 6$

$f(6) = 30$

5)  $f(x) = |x| - 3$  at  $x = -3$

$f(-3) = 0$

6)  $f(x) = -|x - 7|$  at  $x = 2$

$f(2) = -5$

7)  $f(x) = \left|\frac{12}{4x}\right|$  at  $x = 1$

$f(1) = 3$

8)  $f(x) = -|3x|$  at  $x = -5$

$f(-5) = -15$

9)  $f(x) = |x| - 9$  at  $x = 7$

$f(7) = -2$

10)  $f(x) = |x - 8|$  at  $x = -6$

$f(-6) = 14$

11)  $f(x) = -\frac{|18x|}{9}$  at  $x = -4$

$f(-4) = -8$

12)  $f(x) = |7x|$  at  $x = -3$

$f(-3) = 21$

13)  $f(x) = |x + 8|$  at  $x = -1$

$f(-1) = 7$

14)  $f(x) = \frac{6}{|3x|}$  at  $x = 2$

$f(2) = 1$