Absolute Value Expression   D

Evaluate the value of each expression:

1) $f(x) = -4|x - 2| + 5 \; at \; x = -\dfrac{3}{2}$

$f\left(-\dfrac{3}{2}\right) =$

2) $f(x) = 5|x + 1| + 2 \; at \; x = 2$

$f(2) =$

3) $f(x) = -\dfrac{3|2x + 3|}{\;} - 1 \; at \; x = -1$

$f(-1) =$

4) $f(x) = \dfrac{|6x + 2|}{\;} + 7 \; at \; x = -4$

5) $f(x) = |7x \ldots$

$f\left(\dfrac{1}{2}\right) =$

$\ldots 3 \; at \; x = -2$

7) $f(x) = \dfrac{6|1 \ldots}{\;}$

$f(3) =$

$\ldots at \; x = 1$

9) $f(x) = 4|9x \ldots$

$f\left(-\dfrac{2}{3}\right) =$

$\ldots 8 \; at \; x = -2$

11) $f(x) = -\dfrac{5\ldots}{4}$

$f(4) =$

12) $f(x) = -\dfrac{|\ldots|}{3} + 1 \; at \; x = 1$

$f(1) =$

13) $f(x) = |7 + 9x| - 10 \; at \; x = -\dfrac{5}{3}$

$f\left(-\dfrac{5}{3}\right) =$

14) $f(x) = \dfrac{8}{2|x - 6|} - 1 \; at \; x = -2$

$f(-3) =$

Absolute Value Expression

D

1) $f(x) = -4|x - 2| + 5$ at $x = -\dfrac{3}{2}$

$f\left(-\dfrac{3}{2}\right) = -9$

2) $f(x) = 5|x + 1| + 2$ at $x = 2$

$f(2) = 17$

3) $f(x) = -\dfrac{3|2x + 3|}{2} - 1$ at $x = -1$

$f(-1) = -\dfrac{5}{2}$

4) $f(x) = \dfrac{|6x + 2|}{4} + 7$ at $x = -4$

5) $f(x) = |7x$

$f\left(\dfrac{1}{2}\right) = \dfrac{35}{2}$

3 at $x = -2$

7) $f(x) = \dfrac{6|1}{}$

$f(3) = 21$

$t\ x = 1$

9) $f(x) = 4|9x$

$f\left(-\dfrac{2}{3}\right) = 28$

8 at $x = -2$

11) $f(x) = -\dfrac{5}{}$

$f(4) = -14$

$\dfrac{|}{2} + 1$ at $x = 1$

$f(1) = -\dfrac{11}{2}$

13) $f(x) = |7 + 9x| - 10$ at $x = -\dfrac{5}{3}$

$f\left(-\dfrac{5}{3}\right) = -2$

14) $f(x) = \dfrac{8}{2|x - 6|} - 1$ at $x = -2$

$f(-3) = -\dfrac{1}{2}$

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