

Math Topic: Let $f(x) = \frac{1}{2}|8 - 2x| - 5$.

(a) Complete the table below. Then graph the function on the grid provided.

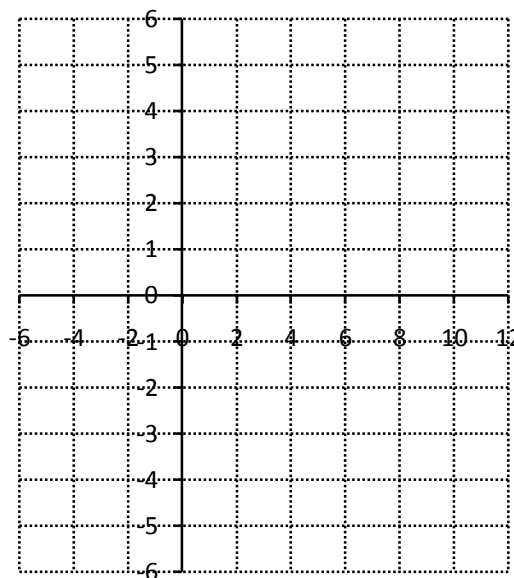
x	-6	-4	-2	0	2	4	8	12
$f(x)$								

Use the table and/or graph to answer the following.

(b) Find $f(-3)$

(c) When will the output of $f(x)$ be 0?

(d) Solve: $\frac{1}{2}|8 - 2x| - 5 = -3$



(e) Solve: $\frac{1}{2}|8 - 2x| - 5 < -3$. Write answer in interval notation.

(f) Solve: $\frac{1}{2}|8 - 2x| - 5 > -3$. Write answer in interval notation.

Journal Topic: Complete the grade sheet attached, then complete the following

- I have earned points out of points on HOMEWORK which is%
- I have earned points out of points on JOURNALS which is %
- I earned points out of points on the MIDTERM which is%

To compute your overall grade “average” add up all of the points you have earned this semester so far and divide by the total points possible. Change this to a percent.

My grade so far this semester is% which is a

Was this average a mean or a median average?

Comment on how accurate you think this grade reflects your acquisition of the course content thus far. I.e. (not how hard you have worked but at how well you have understood the concepts being taught.) Explain. (Continue on back side if needed)

Would you like to meet to discuss your grade further?