

Math 121**Quiz 6**

Justify all answers with neat and organized work. Clearly indicate your answers.
10 points possible.

1. (2 pts.) Of the following statements, which one best expresses the same meaning as $|x - 8| > 5$?

A. $x - 8 < 5$ or $x - 8 > -5$

B. $x - 8 > 5$ and $x - 8 < -5$

C. $x - 8 < 5$ and $x - 8 > -5$

D. $x - 8 > 5$ or $x - 8 < -5$

2. (4 pts.) Graph the solution of this inequality on the real number line.

$$x^2 + 4x + 4 \geq 25$$

3. (4 pts.) Graph the solution of this inequality on the real number line.

$$6x^4 - 4x^3 < 0$$