

NAME: _____ Score _____/10
Please **print** your name

**All calculations are to be exact. NO DECIMALS.
If you use a formula, write the formula before using it.**

1. Find the rule for the function whose graph is the line through (0,5) with slope 3.

2. What is the vertex of the graph of the quadratic function whose rule is $f(x) = x^2 - 6x + 1$

For questions 3, 4, and 5, refer to the graph at the right.

3. For what values of x is $f(x) = 0$?

4. For what values of x is $f(x) < 0$?

5. For what values of x is $f(x) > 0$?

