

NAME: _____ Score _____/10

Please **print** your name

1. A real number which is not rational is _____.
2. The graph of a function f consists of all those points and only those points (a, b) for which _____.
3. The norm of the complex number $5 - 2i$ is _____.
4. A quadratic equation in one variable is an equation which may be written in the form _____ where a , b , and c are real numbers and a is not zero.
5. The vertex of a parabola which is the graph of a quadratic function named g is (_____ , _____)
6. The volume of a cone with radius r and height h is _____.
7. The opposite of a complex number $a + bi$ is _____.
8. A zero of a function f is a domain element k for which _____.
9. A linear function is a function whose rule may be written in the form _____ where m and b are real numbers.
10. If the leading coefficient of a quadratic function is negative, the graph is a parabola which opens _____.