DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

MATH 03   Quiz 3

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Name: _____   Secret Name: _____

> **Directions:** You *must* show all your work in the provided space. Simplify your answers whenever possible. Be certain to indicate your final answer clearly.

1. If $a = -2$, $b = 3$, $x = -1$, $y = 1$ and $z = 2$ evaluate each of the following expressions:

   (a) $5b - 3a + 7z$ (b) $-a^2 + (-b)^2$

   (c) $a^3 - z(x - y) + b^2$ (d) $\sqrt{(a + x)^2 - y^2}$

2. Find the value of A if $a = -3$, $C = 5$ and A is given by the formula

$$A = -\frac{a}{a + 13} \cdot C$$