

# Math 2143 - Brief Calculus with Applications

Quiz #1 - 2008.01.22

Name: \_\_\_\_\_

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1. Find an equation for the line with slope 2 which passes through the point  $(-3, 4)$ .

2. Find an equation for the line which passes through the points  $(-3, 4)$  and  $(2, 14)$ .

3. Given that  $f(x) = \frac{3-x}{x^2+3}$ , answer the following:

a) Compute  $f(3)$

b) Compute  $f(2+h)$

4. Construct a well defined function with domain  $D = \{\text{days of the week}\}$  and range  $R = \{\text{months of the year}\}$ .