Quiz3, MAT 1375 Professor Chiu

ID:_____   Name:_____

- This quiz consists of 2 questions, each worth 5 points, for a total of 10 points.
- You have 10 minutes to complete the quiz.
- Show all work and justify your answers.
- Scientific calculators are allowed.
- Wishing you success.

1. Given a function $f(x) = x^2 + 2x - 3$. Find $\frac{f(x+h)-f(x)}{h}$.

2. Find (a) the slope and (b) y-intercept of the line with the given graph. Then (c) use the slope and y-intercept, write the equation of the line in slope-intercept form.