

Your Name:

Duration of the Quiz is 15 minutes. There are three problems, worth 20 points. Show all your work for full credit. Books, notes etc. are prohibited. Calculators are NOT permitted.

1. Write the equation of the line satisfying the given conditions in slope-intercept form.  
Passing through  $(2, 1)$  and  $(-2, -1)$

2. For the given linear equation, give the slope and  $y$ -intercept, if any, and graph the line.

$$2x + 3y = 6$$

3. Find the degree, zeros and  $y$ -intercept(s) (if any) of the polynomial

$$f(x) = 2x^2 - 3x - 5$$