ETC 2420/5242 Quiz 3

Name: _____ (Please write your name as it is given in the Monash system, and no need to write your student number.) Grader: _____

Circle your choice.

1. Sketch the line that corresponds to the following equation. Label and mark your axes appropriately (and no need for a title):

$$y = 2x + 5$$

2. For the following fitted model

$$M_{2012} = 0.74 + 0.96 M_{2008}$$

   a. What is the value of the intercept for the model?
   b. Interpret the slope.

   c. The medal count for Jamaica in 2008 was 12. What would you expect the medal count to be in 2012?
   d. The medal count for Indonesia in 2008 was 2 and in 2012 was 5. The predicted medal count for 2012 was 2.66. Compute the residual.