

## Quiz 2

MATH 139-02  
Tuesday, January 26, 2004

1. Tasty Fire inc. makes cinnamon flavored candies. They have fixed costs of \$12,000 and variable costs of \$0.28 per box of candy.
  - (a) Find a cost function  $C(q)$  giving the cost for Tasty Fire to produce  $q$  boxes of candy.
  - (b) If Tasty Fire sells a box of candy for \$1.95 per box, determine the revenue function  $R(q)$ .
  - (c) Find the profit function for Tasty Fire.
  - (d) What is the break-even point?
  
2. A \$400,000 office building is depreciated linearly over 25 years. Find its value as a function of time.