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.