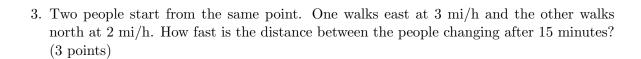
Name:	Score:	

1. If \$1000 is invested at 3% interest, find the value of the investment at the end of 5 years if the interest is compounded (i) monthly, (ii) continuously. (2 points)

2. When a cold drink is taken from a refrigerator, its temperature is 5°C. After 20 minutes in a 25°C room its temperature has increased to 10°C. What is the temperature of the drink after an hour? (2 points)



4. A boat is pulled into a dock by a rope attached to the bow of the boat and passing through a pulley on the dock that is 1 m higher than the bow of the boat. If the rope is pulled in at a rate of 1 m/s, how fast is the boat approaching the dock when it is 6 m from the dock? (3 points)