Two problems on Newton’s Law of Cooling

1. An extra large double latte frappucino au lait is handed to a customer at 90°C. Two minutes later, the temperature of the beverage is 80°C. The room temperature is 25°C. After how many minutes is it at 60°C, which is the temperature preferred by the customer?

2. A frozen pizza at 32°F is removed from the freezer and is allowed to stand in a 70°F room. After 5 minutes the temperature of the pizza is 40°F. When will the pizza be 60°F?