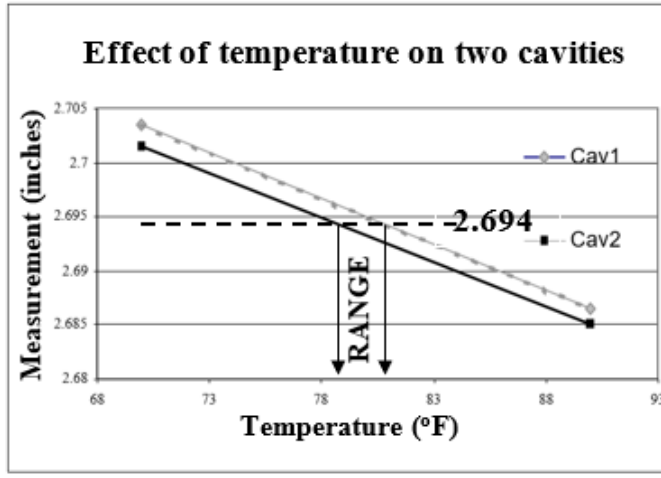
c. you should verify the results with values outside of the operational ranges obtained from the experiment.

6) The graph demonstrates the effect of the mold temperature on the dimension of the molded parts. For a dimension of 2.694 inches, what would be the recommended temperature?



a. 80°F
b. 83°F
c. 73°F

7) If you decide to optimize cooling dimensions by evaluating the contribution of three factors,
   a. an exercise of three parameters or factors consumes time and resources; be careful in your design or you could end up with inconclusive results.
   b. when one of the factors is hold pressure, you should assume that the evaluated dimension is a function of mass dimensions.
   c. when one of the factors is melt temperature, you should assume that the evaluated dimension is a function of mass dimensions.
   d. both a and b are correct.

8) In a two-factor experiment for mold temperature (T_M) and melt temperature (T_m),

critical dimension, $D_C =$