For the differential equation \( x' = \frac{2}{t} \)

1. Determine which of the following are solutions to the DE above. For the ones that are not solutions, explain why not.
   a. \( y = 2x \)
   b. \( x = t^2 \)
   c. \( x = 2t \)

2. A slope field for the DE is shown below.

   ![Slope Field Image]

   a. Draw in solution curves corresponding to \( x(6) = 0 \) and \( x(6) = -1 \)
   b. Estimate \( x(10) \) assuming that \( x(6) = -1 \) using the curve you drew in part a.

3. Use Euler's method with step size 2 to estimate \( x(10) \) assuming that \( x(6) = -1 \).