BECA / Dr. Huson / Geometry 07-Similarity   Name:
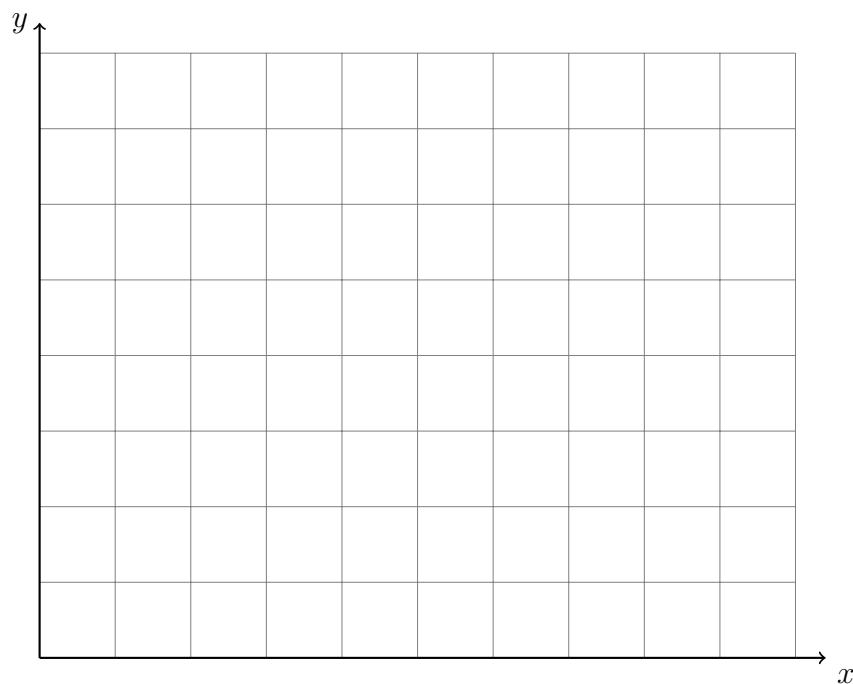pset ID: 108

7-3bDN-Tangent

1. (a) Graph and label $\triangle ABC$ with $A(0,0)$, $B(7,4)$, and $C(7,0)$.

   (b) Find the lengths of the sides of $\triangle ABC$.

   $AC =$ $BC =$ $AB = \sqrt{AC^2 + BC^2}$

   (c) Find the slope and y-intercept of the line $\overleftrightarrow{AB}$.

   $m_{AB} =$ $b_{AB} =$

   (d) Write down the equation of each line.

   $\overleftrightarrow{AB}$: $\overleftrightarrow{BC}$: $\overleftrightarrow{AC}$:

   (e) Find the measure of $\angle BAC$ in degrees with a protractor.