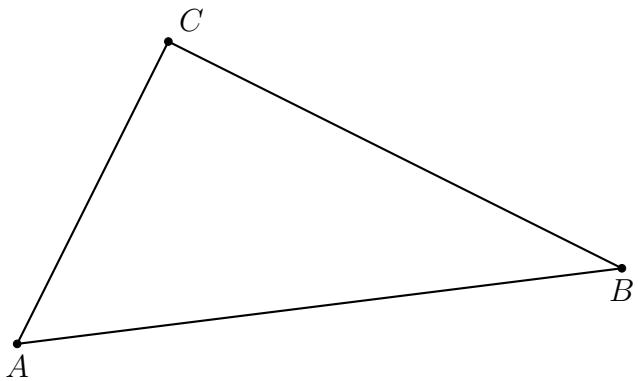
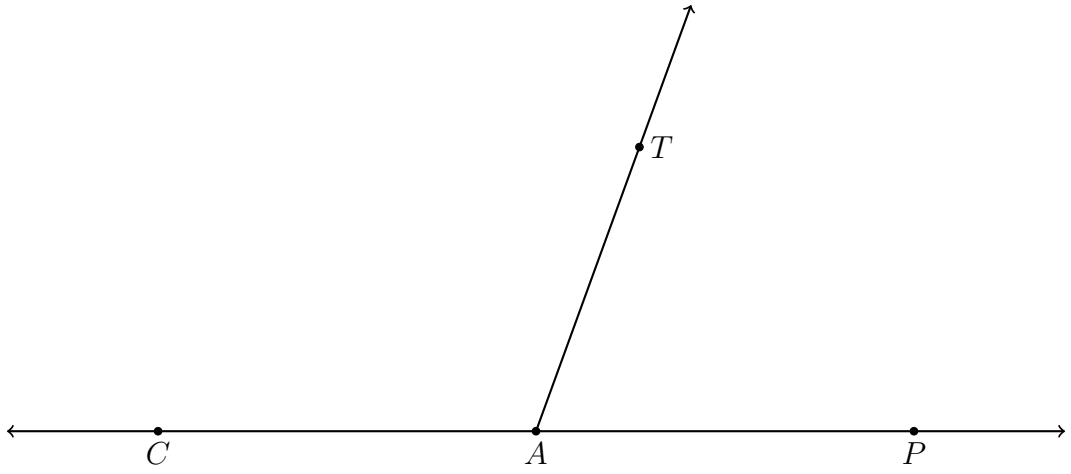
BECA / Dr. Huson / Geometry 01-Intro Name:
pset ID: 4

1-3DN-Function-intercepts

1. I have a compass, ruler, protractor, notebook, and folder (circle one). Yes No
2. Copy the notes on the board into your notebook. Then do these two problems. For both of them, $f(x) = 3x + 4$.
   (a) Find $f(0)$
   (b) $f(x) = 10$. Find x.
3. Accurately measure the length of each side of $\triangle ABC$ in centimeters (cm) to the nearest tenth.
   (a) $AB =$ _____
   (b) $BC =$ _____
   (c) $AC =$ _____



4. Use a protractor to measure the two angles, $\angle CAT$ and $\angle TAP$. Mark the values in degrees on the diagram.



5. Given the rectangle $JKLM$ shown below.

   (a) Measure the lengths of the sides in centimeters and mark them on the diagram.

   (b) Calculate the area of the rectangle in square centimeters. Show your work by starting with an equation. ("$A = l \times w$")

   (c) Is it possible to divide the rectangle into two squares? Justify your answer.