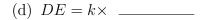
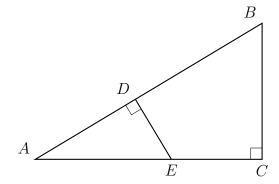
7.8b Homework: Constructions

- 1. In $\triangle ABC$ shown below, $\angle ACB$ is a right angle, E is a point on \overline{AC} , and \overline{ED} is drawn perpendicular to hypontenuse \overline{AB} . Given $\triangle ABC \sim \triangle AED$.
 - (a) Justify $\angle BAC \cong \angle EAD$.

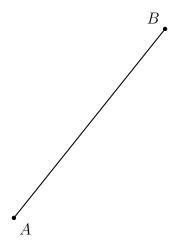








2. Complete the construction of a perpendicular bisector of \overline{AB} . Label the midpoint M. Show all construction marks, but make no extra lines.



3. Complete the construction of a line perpendicular to line l through the point P. Show all construction marks, but make no extra lines.

 $^{P}_{ullet}$



4. Accurately draw a square that is 5 centimeters on each side.