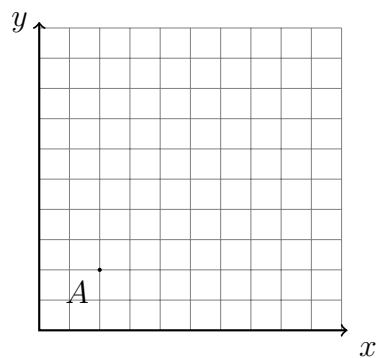
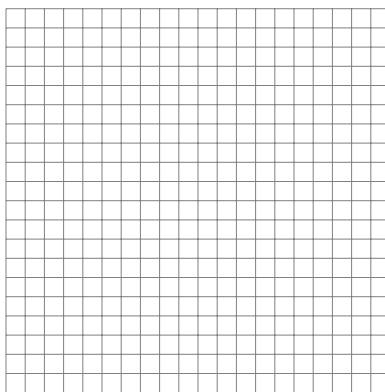


Figure 1: x and y axes for grid

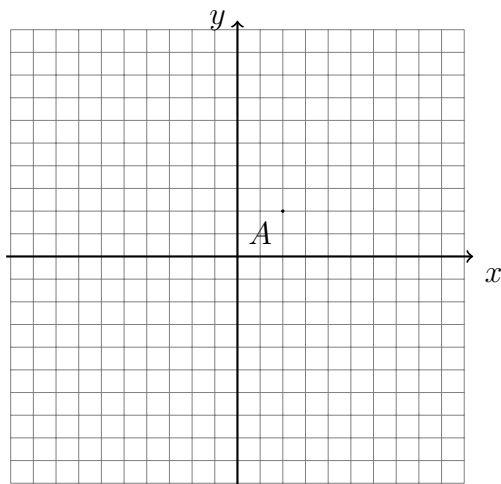


Graphs

tikz grid command

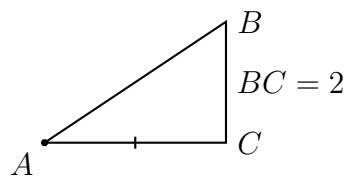
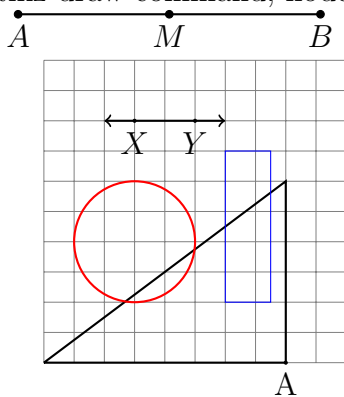


Axes

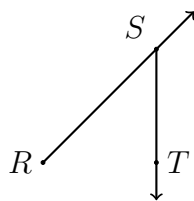
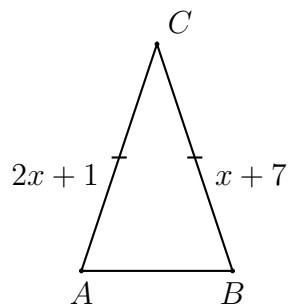


Drawing lines and shapes

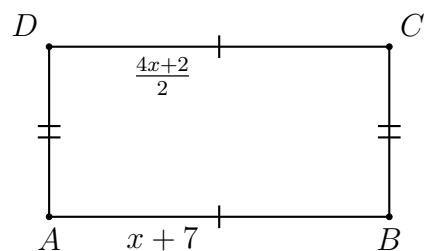
tikz draw command, node labeling function



Given $\triangle ABC$ with $\overline{AC} \cong \overline{BC}$. $AC = x + 7$ and $BC = 2x + 1$. Find AC .

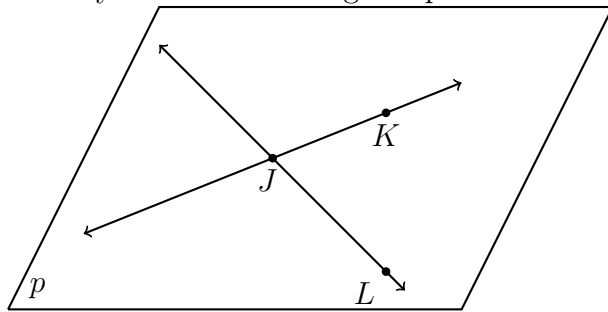


Given the rectangle $ABCD$ with $\overline{AB} \cong \overline{CD}$ and $\overline{BC} \cong \overline{DA}$. $AB = x + 7$ and $CD = \frac{4x + 2}{2}$. Find AB .



Plane geometry

Identify two lines in the given plane.



Marking angles

