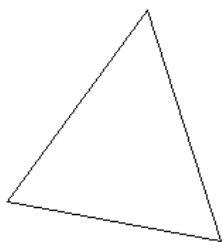
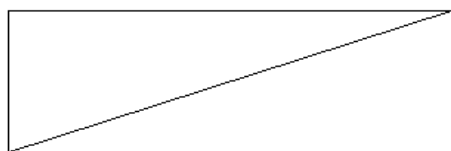


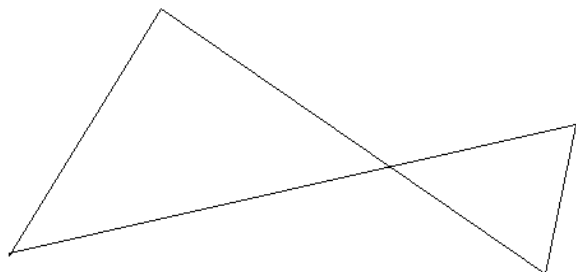
1. Construct a copy of the triangle. (Hint: Start by copying an angle and the segments attached to it.)



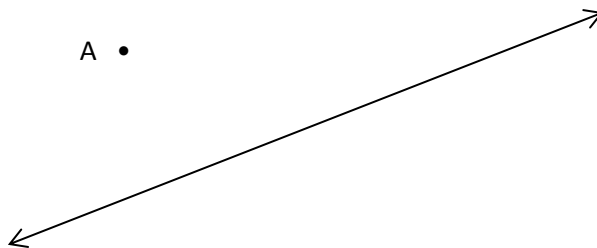
2. Construct the circumscribed circle of the triangle below.



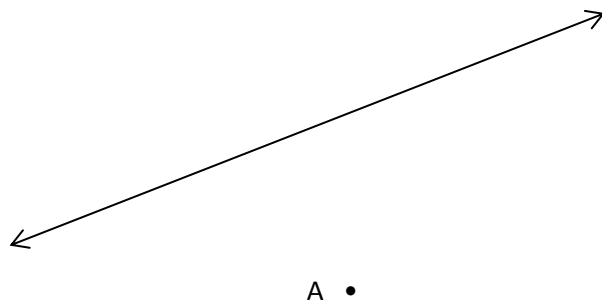
3. Construct the inscribed circles of the triangles below.



4. Construct a perpendicular to the line through the point given.



5. Construct a parallel to the line through the point given.



6. Write the slope-intercept form of the equation that passes through the given point and is perpendicular to the graph of each equation.

$(-3,1), y = -\frac{1}{3}x + 2$

7. Find the coordinates of the vertices of parallelogram GHJ with $G(2,2)$, $H(6,0)$, $I(6,2)$, and $J(2,4)$ dilated by a scale factor of $\frac{1}{2}$. Then graph the preimage and image.

