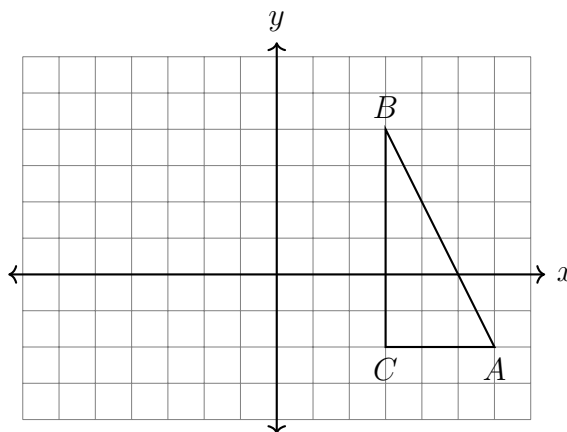
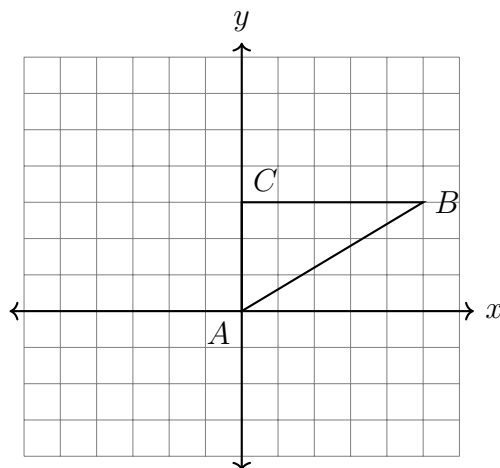


1.20 Classwork: Transformations and constructions

1. Reflect $\triangle ABC$ across the y -axis. Label the image $\triangle A'B'C'$.



2. Rotate $\triangle ABC$ 90° counterclockwise around the origin. Label the image $\triangle A'B'C'$.



3. Use the function $f(x) = -2x + 7$ to answer the questions.

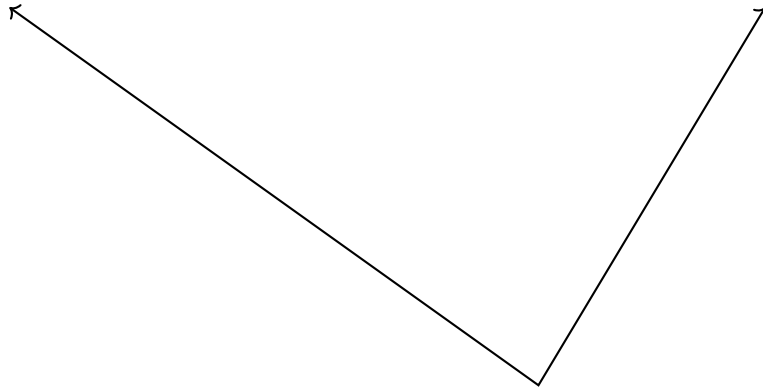
(a) What is $f(2)$?

(c) Solve for x if $f(x) = -11$.

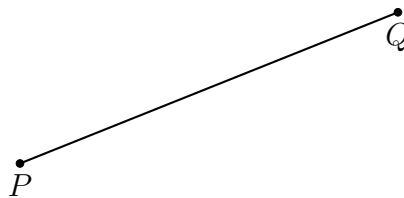
(b) Find $f(\frac{3}{2})$

Constructions: Use only a compass & straightedge

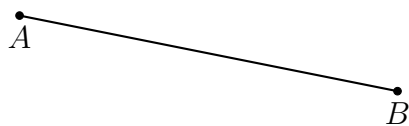
4. Construct an angle bisector of the given angle.



5. Construct a perpendicular bisector of \overline{PQ} .



6. Construct an equilateral triangle with one side \overline{AB} .



7. Construct a perpendicular to line l through the point P .

