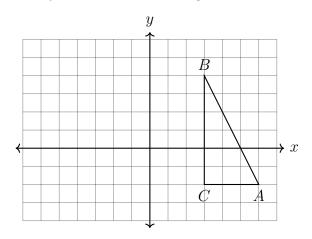
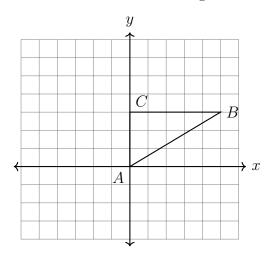
1.16 Quiz: Transformations and constructions

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.

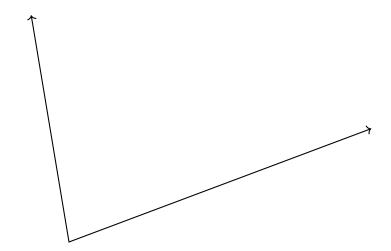
(b) Find $f(\frac{3}{2})$

Constructions: Use only a compass & straightedge

- 4. Construct an equilateral triangle with one side \overline{AB} .
- 5. Construct a perpendicular bisector of \overline{PQ} .



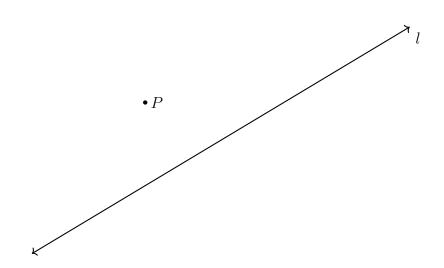
6. Construct an angle bisector the given angle.



7. Fill in the blank: "Slow and _____ wins the race."

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



9. Construct a square with one side \overline{AB} .

