CAPTAIN NOGWILER'S TREASURE: INSTRUCTIONS

1a Reflect $\triangle ABC$ in axis y.

1b Label reflected image $\triangle A', B', C'$

1c Record the coordinates for $\triangle A', B', C'$

2a Draw a line segment from $(-12, 3)$ to $(2, 3)$.

2b Label the point $(-12, 3)$ Q.

2c Label the point $(2, 3)$ P.

3a Reflect $\triangle A'B'C'$ in the line segment $\overline{QP}$

3b Label the reflected image $\triangle A'', B'', C''$

3c Record the coordinates for $\triangle A''B''C''$

4a Reflect $\triangle A''B''C''$ in the x axis

4b Label the reflected image $\triangle A'''B'''C'''$

4c Record the coordinates for $\triangle A'''B'''C'''$

5a Reflect $\triangle A'''B'''C'''$ in y axis

5b Label the reflected image $\triangle A''''B''''C''''$

5c Record the coordinates for $\triangle A''''B''''C''''$

6a. Reflect $\triangle A''''B''''C''''$ in x axis

6b. Label the reflected image $\triangle A'''''B'''''C'''''$

6c. Record the coordinates for this reflected image

7. Draw a line segment joining B''''' and B'''

8a. Draw a line segment from B''''' to $(-12, 0)$

8b. Label point $(-12, 0)$ H

9. Find the point at which line segment $\overline{B'''''B'''}$ intersects line segment $\overline{B'''''H}$

10. This intersection point is where the treasure of Captain Nogwiler is hidden. Record the coordinates of this intersection.

you are now finished.