

## Dilations on a Coordinate plane

1. Find the coordinates of the vertices of the image after a dilation of the triangle by the given scale factor.

$$A(9, 9), B(3, 3), C(6, 0), k = \frac{1}{3}$$

$$A'(\underline{\hspace{1cm}}) \quad B'(\underline{\hspace{1cm}}) \quad C'(\underline{\hspace{1cm}})$$