

MP An Animation Sensation

Use Figures 1–3 to solve each problem.

- In Figure 1, the car is translated 8 units left and 5 units down so that it appears to be moving. What are the coordinates of A' and B' after the translation? $A'(\quad)$, $B'(\quad)$
- In Figure 1, the car is translated so that A' has coordinates $(-7, 2)$. Describe the translation as an ordered pair. Then find the coordinates of point B' . $(\quad)$, $B'(\quad)$
- In Figure 1, the car is reflected over the x -axis in order to make its reflection appear in a pond. What are the coordinates of A' and B' after the reflection? $A'(\quad)$, $B'(\quad)$
- In Figure 2, the artist uses rotation to show the girl's

golf swing. Describe the coordinates of G' if the golf club is rotated 90° clockwise about point H . $(\quad)$

- The character in Figure 3 is enlarged by a scale factor of $\frac{5}{2}$. What are the coordinates of Q' and R' after the dilation? $Q'(\quad)$; $R'(\quad)$
- The character in Figure 3 is reduced in size by a scale factor of $\frac{2}{3}$. What is the number of units between S' and T' , the width of the character's face, after the dilation? $\frac{\quad}{\quad}$ = units.

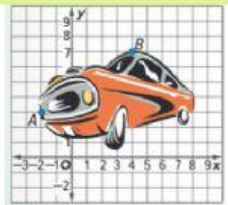


Figure 1

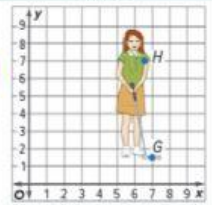


Figure 2

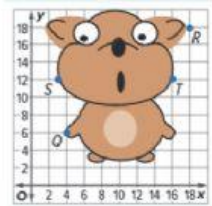


Figure 3