Exercise 31

For the following exercises, perform the indicated operation and express the result as a simplified complex number.

$$\frac{6 - 2i}{3}$$

Solution

Use the distributive property.

$$\frac{6 - 2i}{3}$$

$$\frac{1}{3}(6 - 2i)$$

$$\frac{6}{3} - \frac{2}{3}i$$

$$2 - \frac{2}{3}i$$