Exercise 18

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

$$(-2 - 4i) + (1 + 6i)$$

Solution

Add the real parts and imaginary parts separately.

$$(-2 - 4i) + (1 + 6i)$$

$$(-2 + 1) + (-4 + 6)i$$

$$-1 + 2i$$