Exercise 20

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

$$(2 - 3i) - (3 + 2i)$$

Solution

Distribute the minus sign and then combine like-terms.

$$2 - 3i - 3 - 2i$$

$$(2 - 3) + (-3 - 2)i$$

$$(-1) + (-5)i$$

$$-1 - 5i$$