

Name: \_\_\_\_\_

# Multiplying Complex Binomials

Find the product.

1  $(3 - 3i)(-4i - 7)$

2  $(9i + 7)(8 + 5i)$

3  $(12 + 9i)(8i - 7)$

4  $(3i - 1)(-8 - i)$

5  $(-i + 2)(7i - 15)$

6  $(3 + 5i)(-13 + 3i)$

7  $(-4 - i)(-1 + 4i)$

8  $(-9 - 12i)(2 + i)$

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## Answers

$$\boxed{1} \quad (3 - 3i)(-4i - 7)$$

$$\boxed{2} \quad (9i + 7)(8 + 5i)$$

$$-33 + 9i$$

$$11 + 107i$$

$$\boxed{3} \quad (12 + 9i)(8i - 7)$$

$$\boxed{4} \quad (3i - 1)(-8 - i)$$

$$-156 + 33i$$

$$11 - 23i$$

$$\boxed{5} \quad (-i + 2)(7i - 15)$$

$$\boxed{6} \quad (3 + 5i)(-13 + 3i)$$

$$-23 + 29i$$

$$-54 - 56i$$

$$\boxed{7} \quad (-4 - i)(-1 + 4i)$$

$$\boxed{8} \quad (-9 - 12i)(2 + i)$$

$$8 - 15i$$

$$-6 - 33i$$