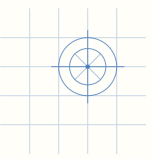


Complex numbers — Multiplying

Name: _____

Date: _____



Multiply each pair of complex numbers.

$$\begin{aligned} 1 \quad & (-3 + 3i)(-5 + 6i) \\ &= 15 - 18i - 15i + 18i^2 \\ &= 15 - 18 - 18i - 15i \\ &= -3 - 33i \end{aligned}$$

$$2 \quad (-4 - 5i)(6 - 6i)$$

$$3 \quad (-3 - 5i)(-1 - 3i)$$

$$4 \quad (-2 - 5i)(6 - 6i)$$

$$5 \quad (-5 + 3i)(2 + 3i)$$

$$6 \quad (-1 + i)(3 + 2i)$$

$$7 \quad (2 - 2i)(4 + 2i)$$

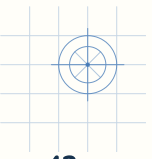
$$8 \quad (-1 + 3i)(-5 + 6i)$$

$$9 \quad (1 - 3i)(5 - 6i)$$

$$10 \quad (5 + 2i)(-4 - 2i)$$



Complex numbers · Multiplying — Answer key



1. $(-3 + 3i)(-5 + 6i) = -3 - 33i$

2. $(-4 - 5i)(6 - 6i) = -54 - 6i$

3. $(-3 - 5i)(-1 - 3i) = -12 + 14i$

4. $(-2 - 5i)(6 - 6i) = -42 - 18i$

5. $(-5 + 3i)(2 + 3i) = -19 - 9i$

6. $(-1 + i)(3 + 2i) = -5 + i$

7. $(2 - 2i)(4 + 2i) = 12 - 4i$

8. $(-1 + 3i)(-5 + 6i) = -13 - 21i$

9. $(1 - 3i)(5 - 6i) = -13 - 21i$

10. $(5 + 2i)(-4 - 2i) = -16 - 18i$