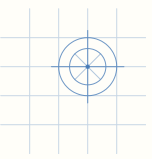


Complex numbers — Adding and subtracting

Name: _____

Date: _____



Add or subtract each pair of complex numbers.

① $(2 - 2i) + (4 + 2i)$

$$\begin{aligned} 2 + 4 &= 6 \\ -2 + 2 &= 0 \\ &= 6 \end{aligned}$$

② $(-1 + 6i) + (-6 - i)$

③ $(6 - 3i) + (5 - 6i)$

④ $(4 - 3i) + (5 - 6i)$

⑤ $(-2 - 5i) - (6 - 6i)$

⑥ $(5 + 2i) - (-4 - 2i)$

⑦ $(-4 - 5i) - (6 - 6i)$

⑧ $(-3 - 5i) + (-1 - 3i)$

⑨ $(-1 + 3i) - (-5 + 6i)$

⑩ $(-3 + 3i) - (-5 + 6i)$



Complex numbers · Adding and subtracting — Answer key



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

2. $(-1 + 6i) + (-6 - i) = -7 + 5i$

3. $(6 - 3i) + (5 - 6i) = 11 - 9i$

4. $(4 - 3i) + (5 - 6i) = 9 - 9i$

5. $(-2 - 5i) - (6 - 6i) = -8 + i$

6. $(5 + 2i) - (-4 - 2i) = 9 + 4i$

7. $(-4 - 5i) - (6 - 6i) = -10 + i$

8. $(-3 - 5i) + (-1 - 3i) = -4 - 8i$

9. $(-1 + 3i) - (-5 + 6i) = 4 - 3i$

10. $(-3 + 3i) - (-5 + 6i) = 2 - 3i$