

Unit 6 - Quadratics - Imaginary & Complex Numbers

Simplify.

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

2) $(-2 + 4i) - (-8 + 7i)$

3) $(-3 - 4i) + (-3 - 3i)$

4) $(3 + 3i) + (2 - 4i)$

5) $(-1 - i) - (-2 + 3i)$

6) $(-8 - i) - (-6 + 5i)$

7) $5(4i)(8 - i)$

8) $(2 - 3i)(-6 - 7i)$

9) $(6 - 7i)(8 - 7i)$

10) $(i)(-6i)(-5 - 4i)$

$$11) (5 + 7i)(3 + 6i)$$

$$12) (-6 + 7i)(-2 + 4i)$$

$$13) \frac{7 + 8i}{6 - 6i}$$

$$14) \frac{9}{-1 - 9i}$$

$$15) \frac{3i}{-7 - 7i}$$

$$16) \frac{-8 - 10i}{7 - 8i}$$

$$17) \frac{9i}{6 - 9i}$$

$$18) \frac{9i}{-6 + 4i}$$