

Unit 6 - Warm Up #13 - Imaginary/Complex Numbers

Simplify.

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

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

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

4) $(-5 + 3i) - (3 + 5i) + 5$

5) $(-7 - 5i) - (-1 + 2i) - (4 - 8i)$

6) $(-8 - i) - (4 - 7i) - (3 - 8i)$

7) $(3 + i)(2 - i)$

8) $(8 - 8i)^2$

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

10) $(-3 - 8i)(-1 + i)$

$$11) (-2i)(i)(-4 + 2i)$$

$$12) (-4i)(6i)(8 - 7i)$$

$$13) \frac{9i}{-4 - i}$$

$$14) \frac{7}{8 + 9i}$$

$$15) \frac{10}{-8 - 9i}$$

$$16) \frac{5i}{-9 - 2i}$$

$$17) \frac{6 + 7i}{3 - 4i}$$

$$18) \frac{-2 + 6i}{4 + 4i}$$

$$19) \frac{-5 - 10i}{6 - 10i}$$

$$20) \frac{-7 - 3i}{7 + 3i}$$