

Complex Number Worksheet

Simplify.

1 $\frac{-10 + i}{9 - 7i}$

2 $(2i) \cdot (i) \cdot (7i) \cdot (-2i)$

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

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

5 $6 + 7i - 13 - i$

6 $(12 - i)^2$

7 $\frac{9 - 9i}{7 - i}$

8 $(-5 + 15i) - (-7 + 4i)$

9 $i + (8 - i) + (2 - 3i)$

10 $(-6 + 8i)^2$

11 $(-4i + 3)(-7 + 3i)$

12 $(-i) \cdot (i) \cdot (4i)$

Complex Number Worksheet

Simplify.

1 $\frac{-10 + i}{9 - 7i}$

$$\frac{-97}{130} - \frac{61}{130}i$$

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

$$7 + 9i$$

5 $6 + 7i - 13 - i$

$$-7 + 6i$$

7 $\frac{9 - 9i}{7 - i}$

$$\frac{36}{25} - \frac{27}{25}i$$

9 $i + (8 - i) + (2 - 3i)$

$$10 - 3i$$

11 $(-4i + 3)(-7 + 3i)$

$$-9 + 37i$$

2 $(2i).(i).(7i).(-2i)$

$$-28$$

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

$$-376 - 360i$$

6 $(12 - i)^2$

$$143 - 24i$$

8 $(-5 + 15i) - (-7 + 4i)$

$$2 + 11i$$

10 $(-6 + 8i)^2$

$$-28 - 96i$$

12 $(-i).(i).(4i)$

$$4i$$