

Complex Number Worksheet

Simplify.

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

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

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

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

$4i$