

Name: \_\_\_\_\_

## Complex Numbers - Standard Form

Sheet 1

Write each complex number in standard form.

1)  $\frac{7 + \sqrt{-9}}{3}$

2)  $2 - 5i - 1$

3)  $-6(2 + \sqrt{-8})$

4)  $-5 + \sqrt{-12}$

5)  $\frac{3(1 + 2i)}{12}$

6)  $\sqrt{4} - \sqrt{-9} - 2$

7)  $8(-2i - 1)$

8)  $-9 - \sqrt{-1}$

9)  $\frac{10 + \sqrt{-25} - 7}{2}$

10)  $\frac{-13 - \sqrt{-49}}{5}$

11)  $11(4 + 6i - 3)$

12)  $\frac{-16 + 12i}{4}$

Name: \_\_\_\_\_

## Answer key

### Complex Numbers - Standard Form

Sheet 1

Write each complex number in standard form.

1)  $\frac{7 + \sqrt{-9}}{3}$

**$\frac{7}{3} + i$**

2)  $2 - 5i - 1$

**$1 - 5i$**

3)  $-6(2 + \sqrt{-8})$

**$-12 - 12\sqrt{2}i$**

4)  $-5 + \sqrt{-12}$

**$-5 + 2\sqrt{3}i$**

5)  $\frac{3(1 + 2i)}{12}$

**$\frac{1}{4} + \frac{1}{2}i$**

6)  $\sqrt{4} - \sqrt{-9} - 2$

**$-3i$**

7)  $8(-2i - 1)$

**$-8 - 16i$**

8)  $-9 - \sqrt{-1}$

**$-9 - i$**

9)  $\frac{10 + \sqrt{-25} - 7}{2}$

**$\frac{3}{2} + \frac{5}{2}i$**

10)  $\frac{-13 - \sqrt{-49}}{5}$

**$-\frac{13}{5} - \frac{7}{5}i$**

11)  $11(4 + 6i - 3)$

**$11 + 66i$**

12)  $\frac{-16 + 12i}{4}$

**$-4 + 3i$**