

Name: _____

Date: _____ Hour: _____

ALGEBRA II - 5.9 WORKSHEET

Graph each complex number.

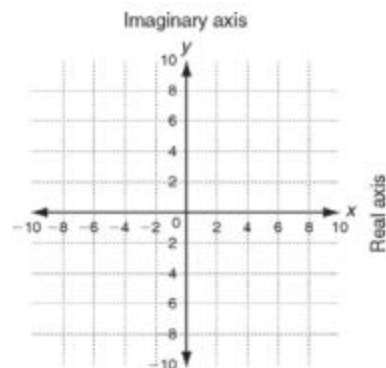
1) -6

2) $4i$

3) $6 + 7i$

4) $-8 - 5i$

5) $-3i$



Find each absolute value.

6) $|4 + 2i|$

7) $|5 - i|$

8) $|-3i|$

Add or subtract. Write the result in the form of $a + bi$.

9) $(-1 + 2i) + (6 - 9i)$

10) $(3 - 3i) - (4 + 7i)$

11) $(-5 + 2i) + (-2 + 8i)$

Multiply. Write the result in the form $a + bi$.

12) $3i(2 - 3i)$

13) $(4 + 5i)(2 + i)$

14) $(-1 + 6i)(3 - 2i)$

Simplify.

15) $\frac{2+4i}{3i}$

16) $\frac{3+2i}{4+i}$

17) $2i^{11}$

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