

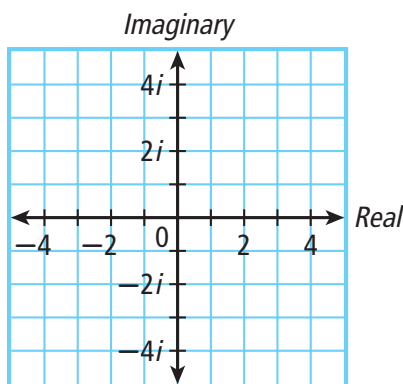
5-9 Operations with Complex Numbers

Lesson Quiz

Graph each complex number.

1. $-3 + 2i$

2. $4 - 2i$



3. Find $|7 + 3i|$.

Perform the indicated operation. Write the result in the form $a + bi$.

4. $(2 + 4i) + (-6 - 4i)$

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

6. $(2 + 5i)(3 - 2i)$

7. $\frac{4 - 2i}{1 - i}$

8. Simplify i^{31} .

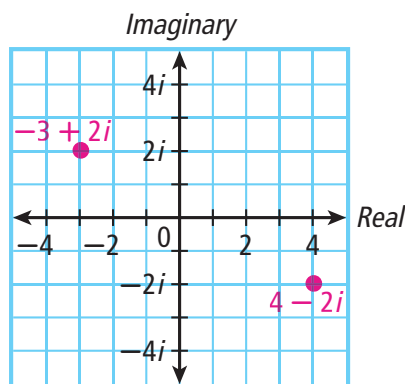
5-9 Operations with Complex Numbers

Lesson Quiz

Graph each complex number.

1. $-3 + 2i$

2. $4 - 2i$



3. Find $|7 + 3i|$. $\sqrt{58}$

Perform the indicated operation. Write the result in the form $a + bi$.

4. $(2 + 4i) + (-6 - 4i)$ -4

5. $(5 - i) - (8 + 2i)$ $-3 - 3i$

6. $(2 + 5i)(3 - 2i)$ $16 + 11i$

7. $\frac{4 - 2i}{1 - i}$ $3 + i$

8. Simplify i^{31} . $-i$