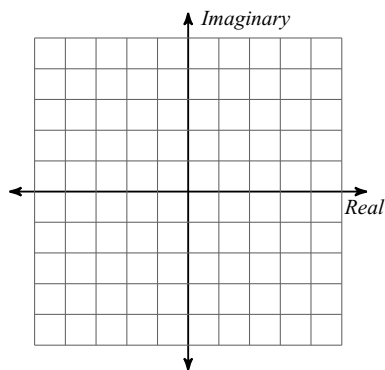


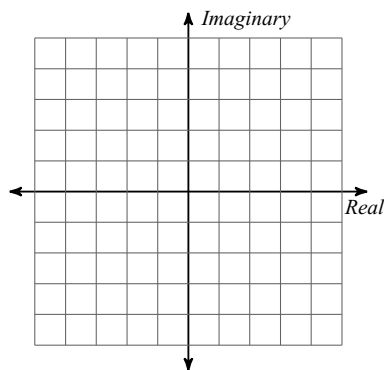
Review Complex Operations & Solving Quadratics

Graph each number in the complex plane.

1) $2 + 3i$



2) $-4i$

**Simplify.**

3) $-2 - 2i - 4i$

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

5) $(3 + i) + (5i)$

6) $(4 - 2i) + (5i)$

7) $(-6i)(8i)(4 - 6i)$

8) $(-6 - 8i)(-4 - 5i)$

9) $(4i)(6i)(-6 + 8i)$

10) $-8(4i) - (4i)(-3 - 7i)$

Solve each equation by any quadratic method.

11) $n^2 - 10n + 25 = 0$

12) $n^2 + 4n - 5 = 0$

13) $v^2 + 3v - 6 = -2$

14) $m^2 + 7m = -10$

15) $v^2 - 8v + 13 = -3$

16) $x^2 - 7 = -10$

17) $-7r^2 = -7$

18) $-b^2 + b + 132 = 0$

19) $-2x^2 + 2x - 3 = 0$

20) $4a^2 - 7a + 7 = 0$

21) $8x^2 - 4x - 1 = 0$

22) $9k^2 + 3k - 9 = 0$

23) $2n^2 + 3n + 3 = 0$

24) $10b^2 + 10 = 0$