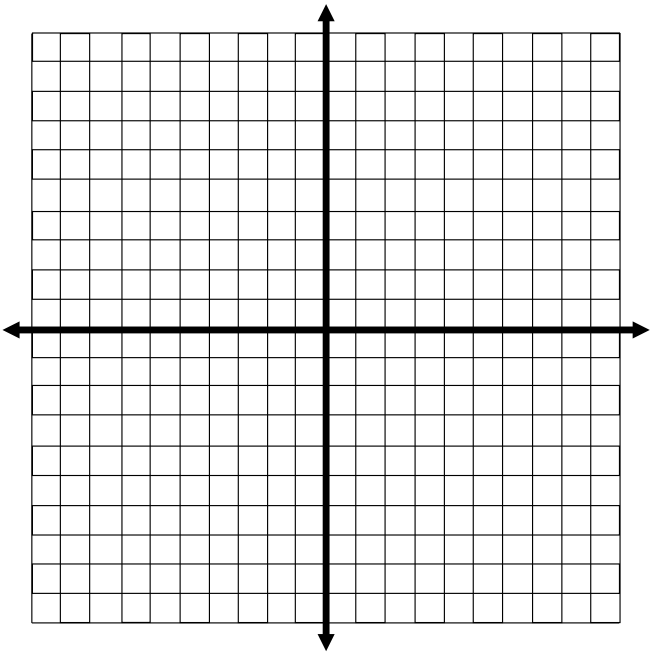
Name: _____

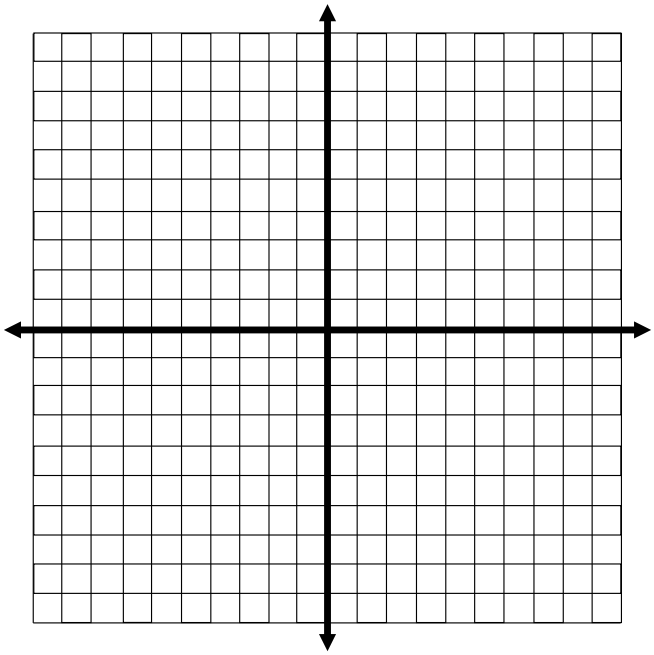
Graphing Quadratics Using Given Points

Label the x-axis and y-axis, then graph each parabola using the given points.

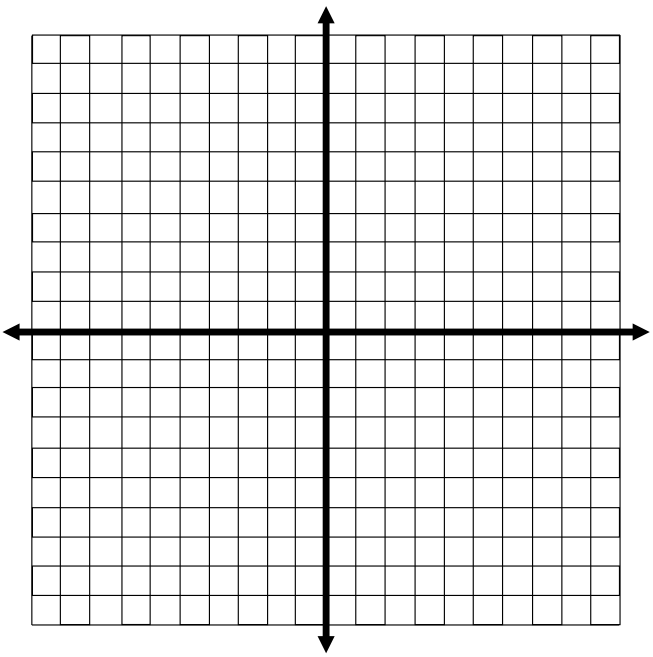
1. Graph a quadratic with a y-intercept of $(0, 3)$, a vertex at $(-2, 4)$, and zeros at $(-6, 0)$ & $(2, 0)$.



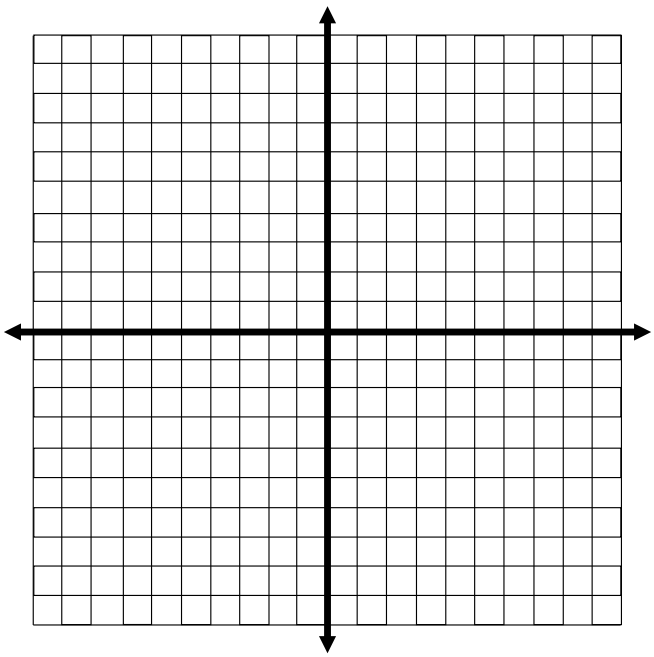
2. Graph a quadratic with a y-intercept of $(0, 5)$, a vertex at $(1, 4)$, and zeros at $(-1 - 2i, 0)$ & $(-1 + 2i, 0)$.



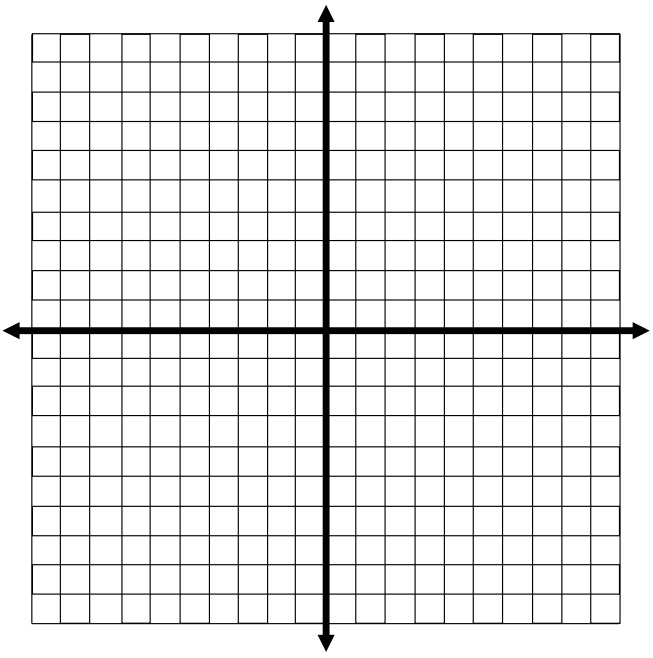
3. Graph a quadratic with a y-intercept of $(0, -8)$, a vertex at $(1, -9)$, and zeros at $(-2, 0)$ & $(4, 0)$.



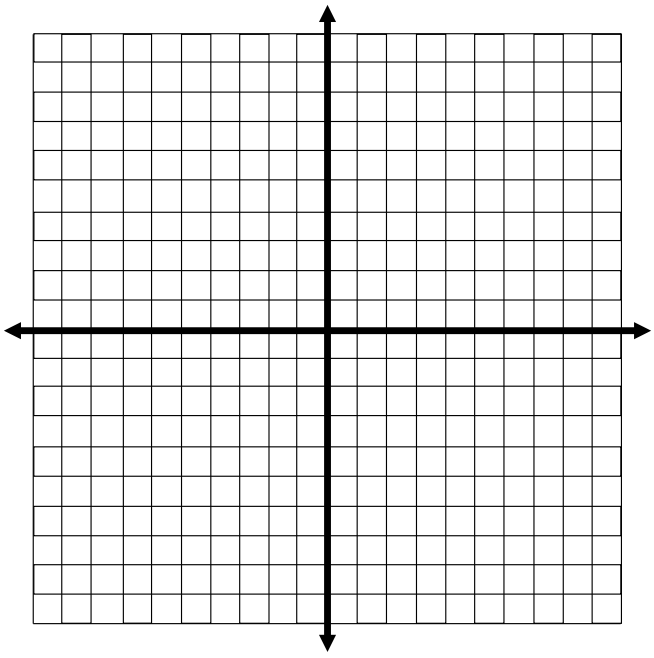
4. Graph a quadratic with a y-intercept of $(0, -6)$, a vertex at $(-4, 2)$, and zeros at $(-6, 0)$ & $(2, 0)$.



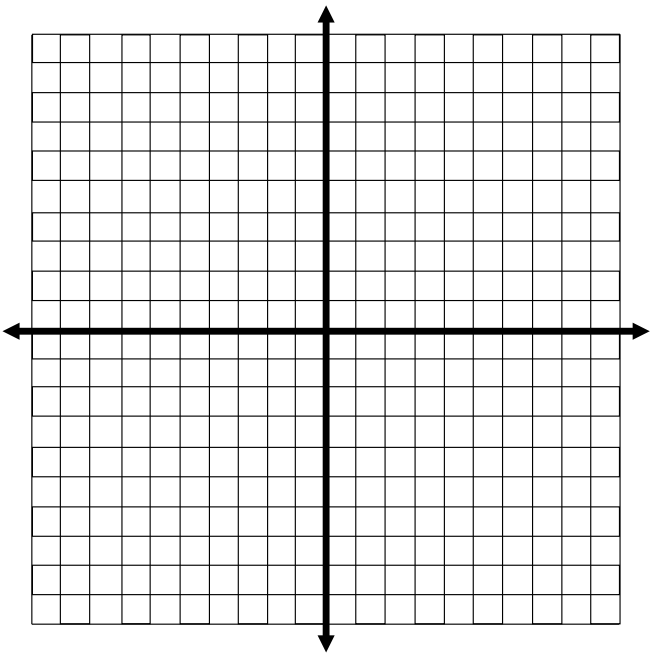
5. Graph a quadratic with a y-intercept of $(0, -6)$, a vertex at $(-2,\ 2)$, and zeros at $(-3, 0)$ & $(-1, 0)$.



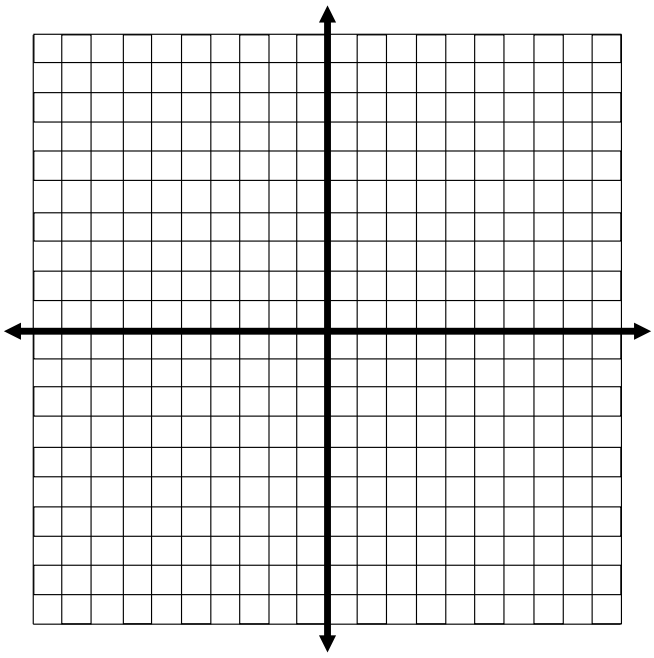
6. Graph a quadratic with a y-intercept of $(0, 5)$, a vertex at $(-1, 0)$, and a zero at $(-1, 0)$.



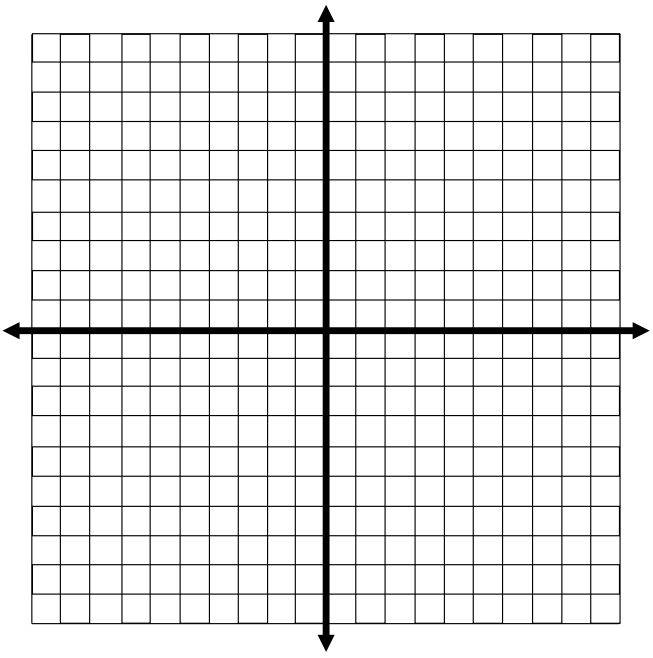
7. Graph a quadratic with a y-intercept of $(0, -10)$, a vertex at $(3, -1)$, and zeros at $(3 - i, 0)$& $(3 + i, 0)$.



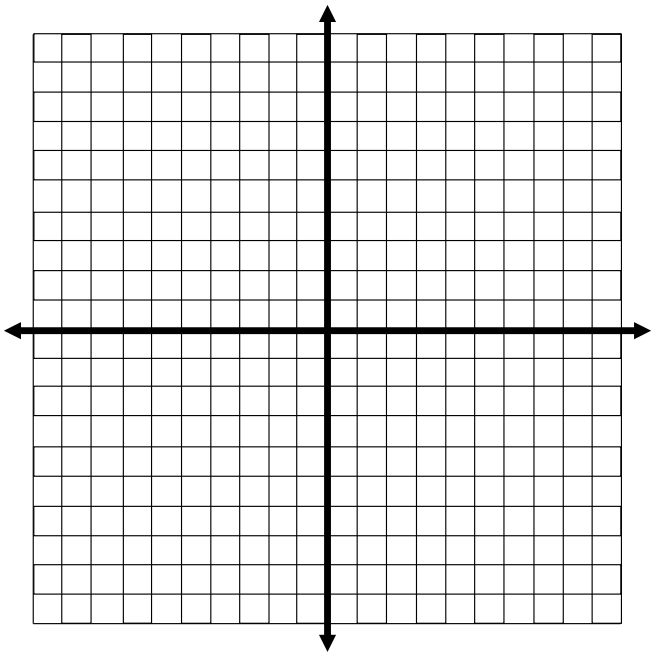
8. Graph a quadratic with a y-intercept of $(0, 9)$, a vertex at $(0, 9)$, and zeros at $(-3, 0)$ & $(3, 0)$.



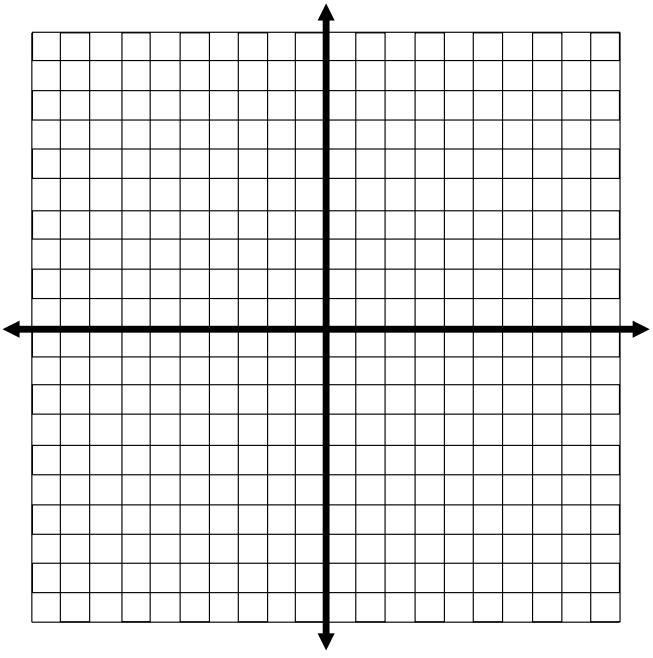
9. Graph a quadratic with a y-intercept of $(0, 7)$, a vertex at $(4, -9)$, and zeros at $(1, 0)$ & $(7, 0)$.



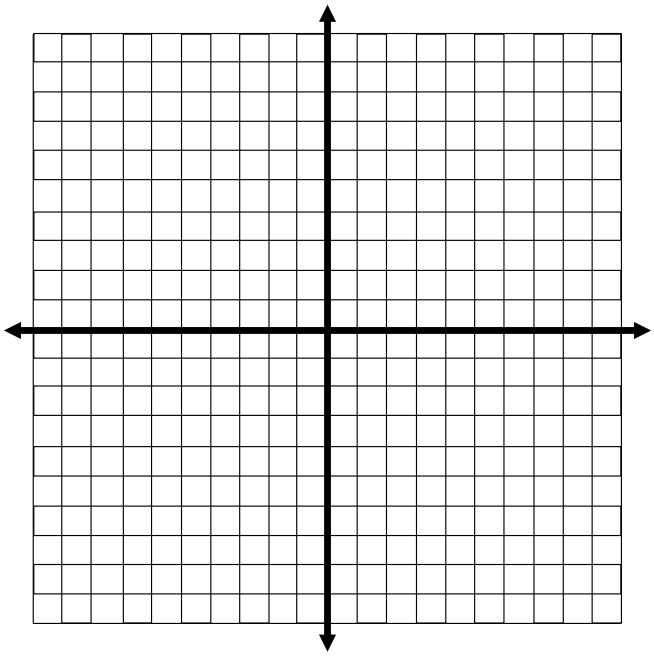
10. Graph a quadratic with a y-intercept of $(0, 0)$, a vertex at $(1, 1)$, and zeros at $(0, 0)$ & $(2, 0)$.



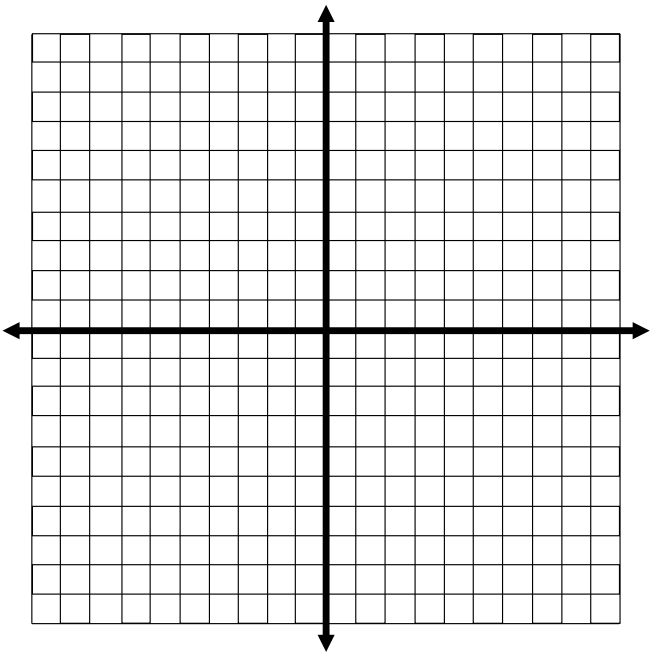
11. Graph a quadratic with a y-intercept of $(0, -4.5)$, a vertex at $(3, 0)$, and a zero at $(3, 0)$.



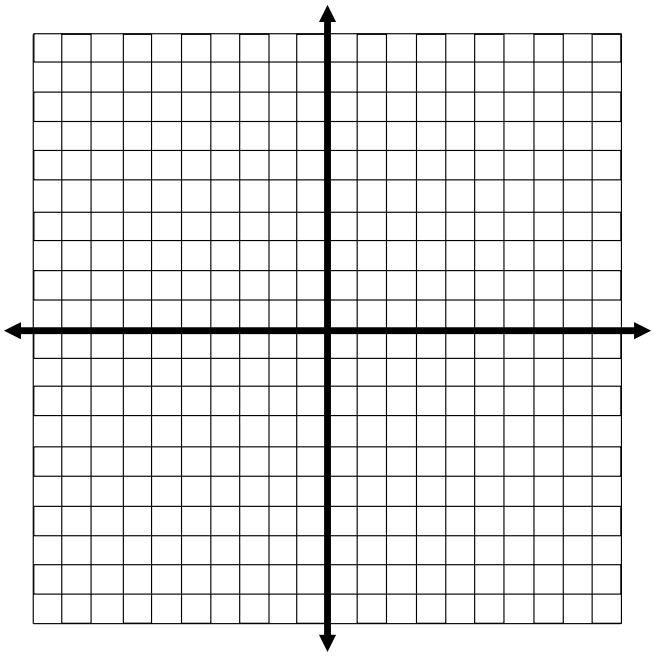
12. Graph a quadratic with a y-intercept of $\left(0, -\frac{3}{2}\right)$, a vertex at $\left(2, \frac{1}{2}\right)$, and zeros at $(1, 0)$ & $(3, 0)$.



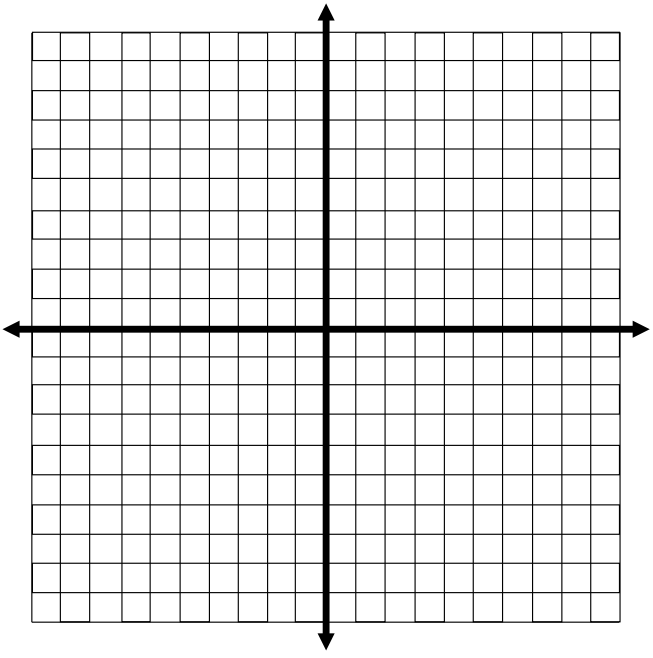
13. Graph a quadratic with a y-intercept of $(0, 3)$, a vertex at $(-2, -1)$, and zeros at $(-3, 0)$& $(-1, 0)$.



14. Graph a quadratic with a y-intercept of $(0, 8)$, a vertex at $(3, -1)$, and zeros at $(2, 0)$ & $(4, 0)$.



15. Graph a quadratic with a y-intercept of $(0, 8)$, a vertex at $(1, 9)$, and zeros at $(-2, 0)$ & $(4, 0)$.



16. Graph a quadratic with a y-intercept of $(0, 10)$, a vertex at $(1, 9)$, and zeros at $(1 - 3i, 0)$ & $(1 + 3i, 0)$.