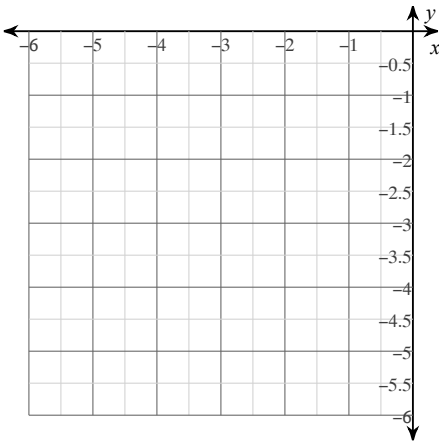


Graph Quadratics-Standard Form

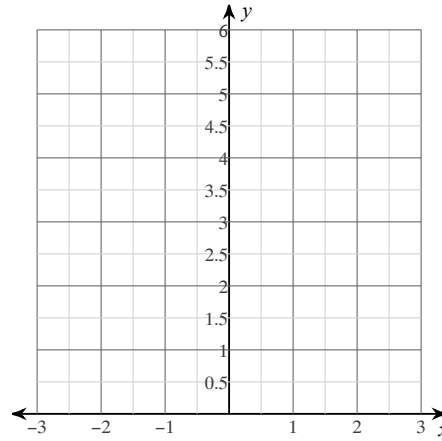
Date _____

- A) Calculate and record the vertex (either beside the problem or on another sheet of paper). I must see work.
 B) Record the y-intercept.
 C) Graph each function using the vertex, y-intercept (if it fits), and using either a t-chart or the 1-4-9 method.

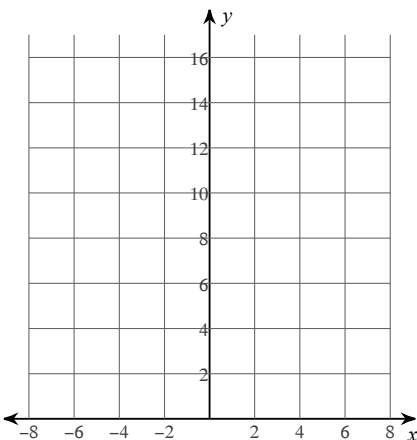
1) $y = -\frac{1}{2}x^2 - 2x - 5$



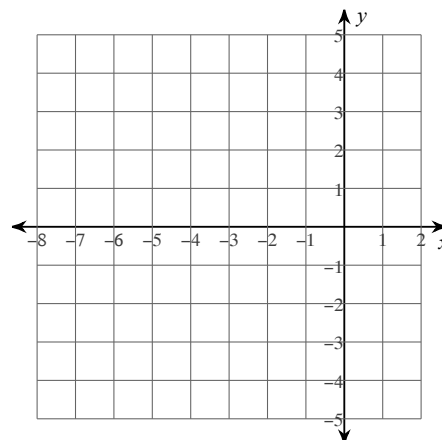
2) $y = x^2 + 2x + 2$



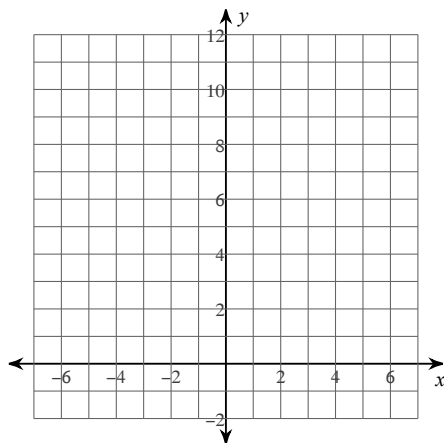
3) $y = 3x^2 - 18x + 31$



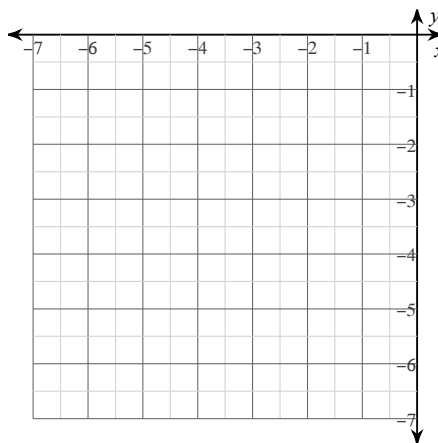
4) $y = -2x^2 - 12x - 14$



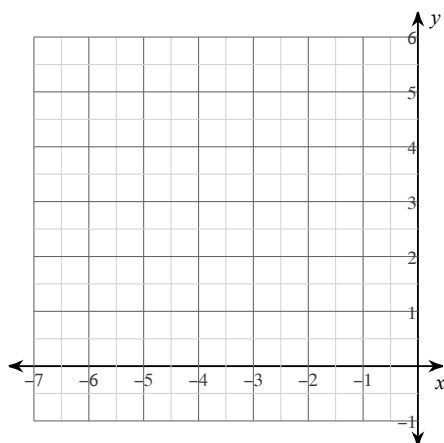
5) $y = 3x^2 - 12x + 11$



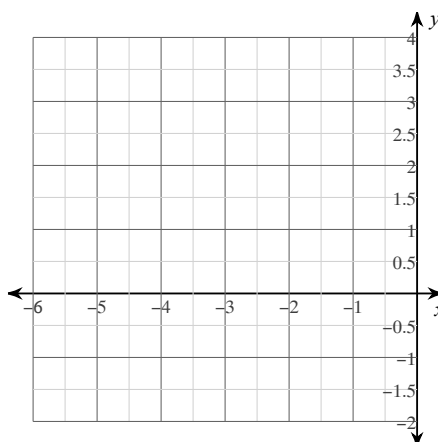
6) $y = -x^2 - 8x - 18$



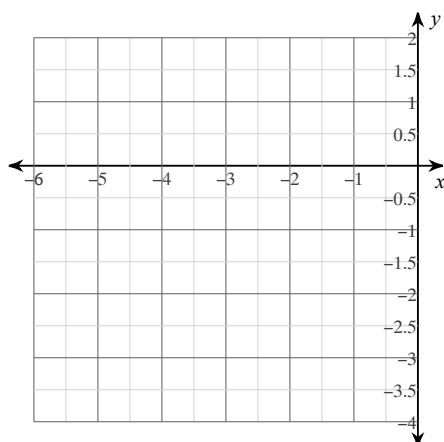
7) $f(x) = -\frac{1}{2}x^2 - 4x - 4$



8) $f(x) = x^2 + 6x + 8$



9) $f(x) = x^2 + 6x + 6$



10) $f(x) = -x^2 + 6x - 13$

