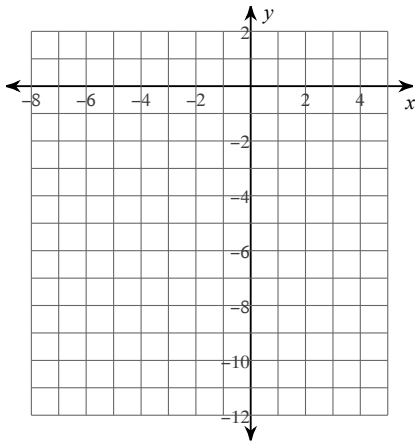


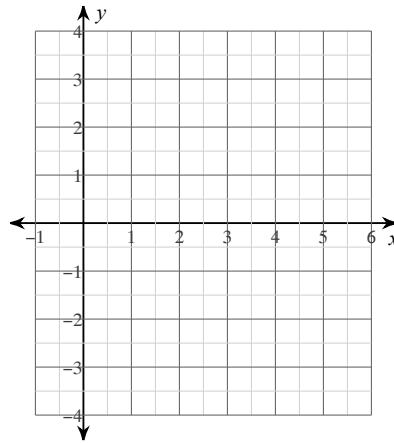
# Completing the Square ( $a \neq 0$ ) Homework

Sketch the graph of each function.

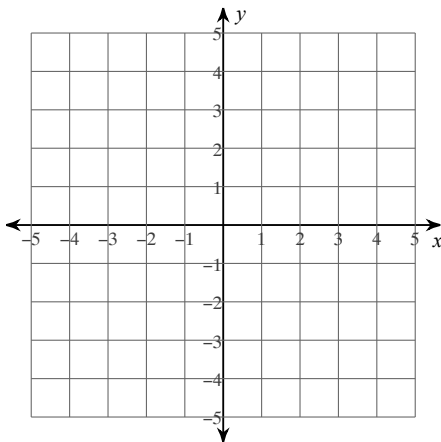
1)  $f(x) = -3x^2 - 24x - 47$



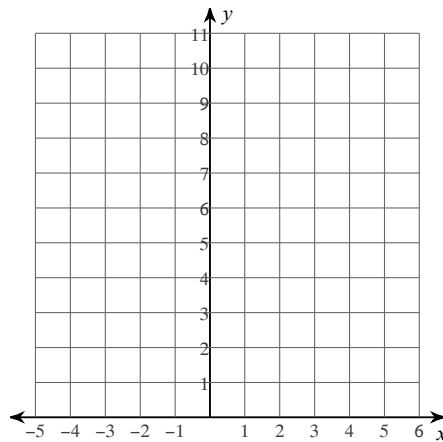
2)  $f(x) = -x^2 + 8x - 14$



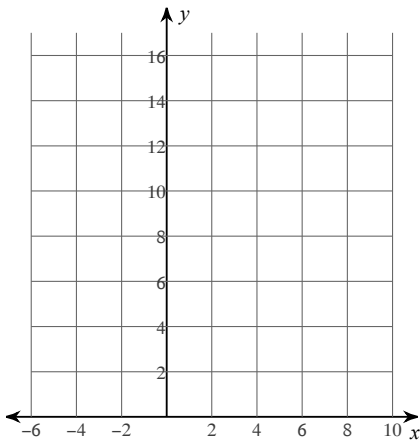
3)  $f(x) = -2x^2 - 4x + 2$



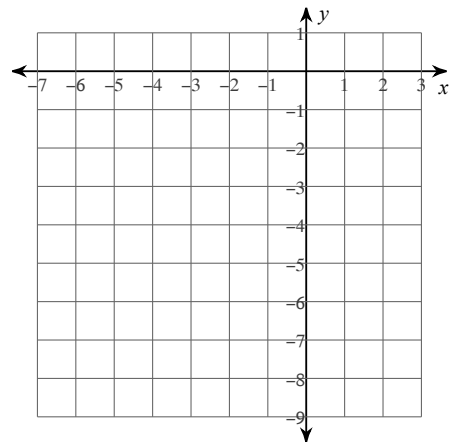
4)  $f(x) = 2x^2 - 16x + 34$



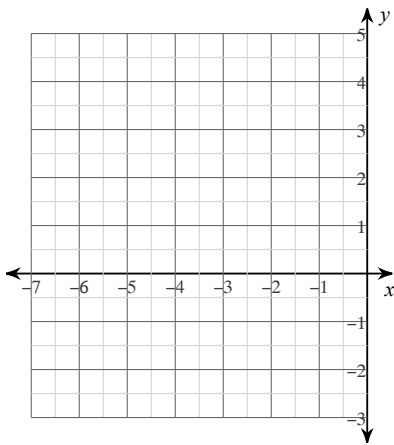
5)  $f(x) = 3x^2 + 6x + 7$



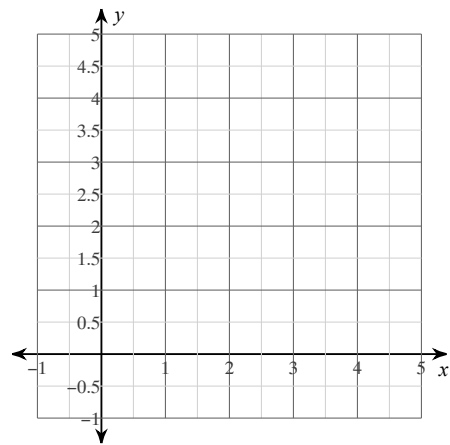
6)  $f(x) = -2x^2 - 10x - 13$



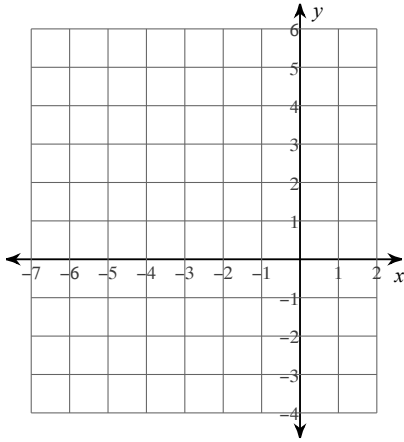
7)  $f(x) = -x^2 - 9x - \frac{69}{4}$



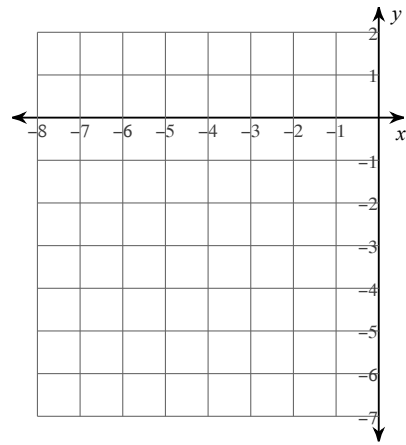
8)  $f(x) = \frac{1}{2}x^2 - \frac{5}{2}x + 5$



9)  $f(x) = 2x^2 + 18x + \frac{75}{2}$

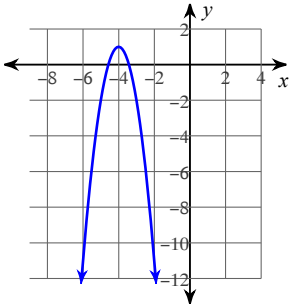


10)  $f(x) = -2x^2 - 10x - 11$

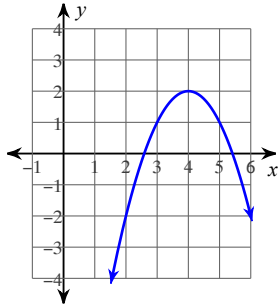


# Answers to Completing the Square ( $a \neq 0$ ) Homework (ID: 1)

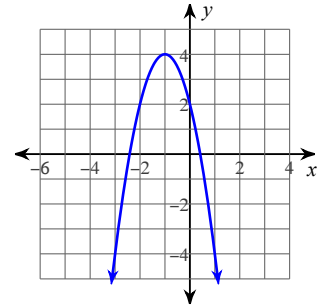
1)



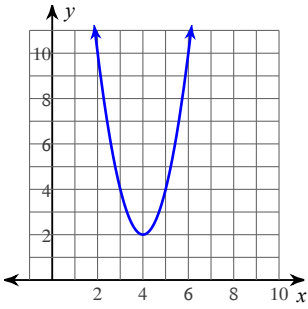
2)



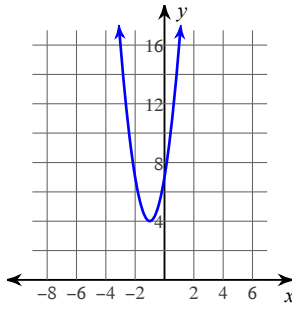
3)



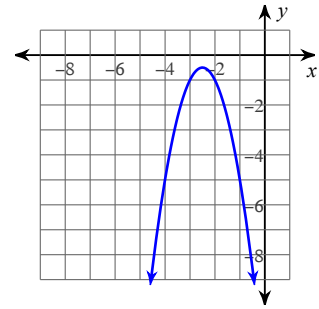
4)



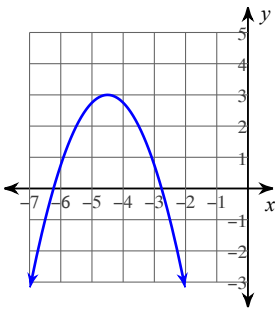
5)



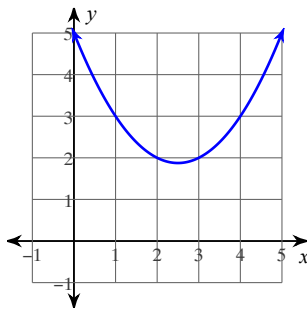
6)



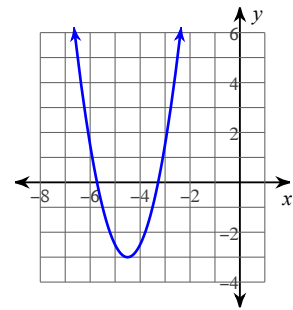
7)



8)



9)



10)

