We have been working with quadratic equations in Vertex Form, $y = a(x - h)^2 + k$. However, it is more common for quadratic equations to be given to us in Standard Form, $y = ax^2 + bx + c$. Today's assignment is for you to practice using FOIL to change equations from Vertex Form into Standard Form. Use the example below to guide your work.

Problems:

1. $y = 6(x - 4)^2 - 1$	2. $y = \frac{1}{2}(x + 4)^2 + 6$	3. $y = -5(x - 1)^2 + 4$
4. $y = -\frac{1}{3}(x + 6)^2 - 1$	5. $y = 4(x + 2)^2 - 8$	6. $y = \frac{-2}{3}(x - 9)^2 - 2$
7. $y = (x - 2)^2 + 7$	8. $y = (x + \frac{1}{2})^2 - 2$	9. $y = 18(x - \frac{1}{3})^2 + 5$
10. $y = -2\left(x + \frac{1}{2}\right)^2$	11. $y = 13(x - 2)^2 + 15$	12. $y = 2(x + 8)^2 + 10$