Name:	
MATH 101	"I can talk to animals. Well, not talk to them,
Spring 2024	I can take commands from them."
HW 17: Due 04/15	— Kenneth Parcell, 30 Rock

Problem 1. (10pts) Complete the square in $x^2 + 8x + 6$ to find the vertex form of this quadratic function.

Problem 2. (10pts) Use the 'evaluation method' to find the vertex form of the quadratic function $2x^2 + 12x - 14$.

Problem 3. (10pts) Use completing the square to solve the following quadratic equation:

$$x(x-6) = 7$$

Problem 4. (10pts) Use the quadratic formula to solve the following quadratic equation:

$$x(5-x) = 3$$