Name:_____ Date:_____

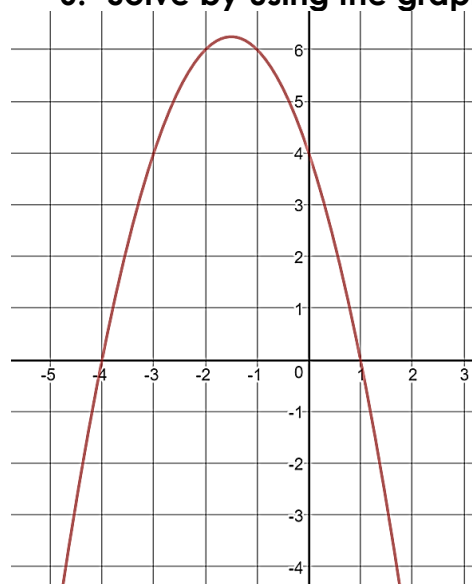|	
1. **Solve by factoring:** $$x^2 + 2x - 28 = 0$$	2. **Solve using square roots:** $$2x^2 - 17 = 53$$
3. **Solve using square roots:** $$2(x - 5)^2 - 6 = 14$$	4. **Solve by completing the square:** $$x^2 + 12x - 9 = 0$$

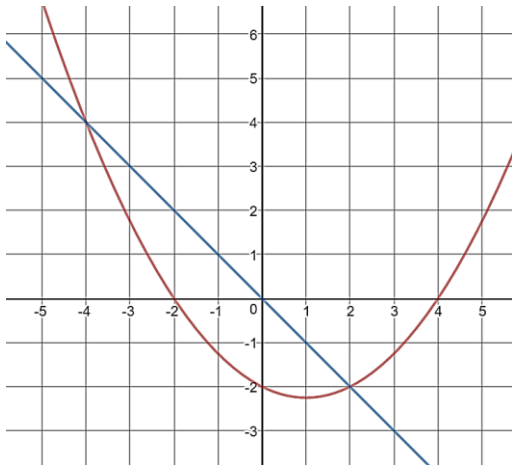5. **Solve using the quadratic formula:**
$$-4x^2 - 5x + 1 = 0$$

6. **Solve by using the graph:**

FLIP TO BACK!

7. What are the solutions to the system of equations shown below?

8. The path of a rocket shot into the air can be modeled by the equation $h(t) = -16t^2 + 40x + 11$. At what TIME would the rocket reach 50 feet?