

Activity 4: Set Me to My Standard!

Directions: Write each quadratic equation in standard form, $ax^2 + bx + c = 0$ then identify the values of **a**, **b**, and **c**. (note: type x2 when the answer is X^2 in the box)

1. $x^2 - 6x - 7 = 0$

Standard form:

a=

b=

c=

6. $2x(x + 1) = 0$

Standard form:

a=

b=

c=

2. $x^2 - 64 = 0$

Standard form:

a=

b=

c=

7. $(x + 4)^2 = 5$

Standard form:

a=

b=

c=

3. $-2x + 8 = -9x^2$

Standard form:

a=

b=

c=

8. $(x + 3)(x - 3) = x(4x + 5)$

Standard form:

a=

b=

c=

4. $x^2 = 3x + 10$

Standard form:

a=

b=

c=

9. $(x + 5)(x - 9) = 21$

Standard form:

a=

b=

c=

5. $4x^2 - 2 = 0$

Standard form:

a=

b=

c=

10. $x(2x - 4) = (x - 2)(x - 2)$

Standard form:

a=

b=

c=