1. What is the discriminant of the quadratic equation $-x^2 - 9x - 3 = 0$?

A. -69 B. 93 C. -93 $\boxed{\text{D. } 69}$

2. What is the discriminant of the quadratic equation $-x^2 - 9x - 6 = 0$?

$\boxed{\text{A. } 57}$ B. -57 C. 105 D. -105

3. What is the discriminant of the quadratic equation $x^2 + 8x + 5 = 0$?

A. 84 B. -84 C. -44 $\boxed{\text{D. } 44}$

4. What is the discriminant of the quadratic equation $-3x^2 - 9x - 1 = 0$?

A. 93 $\boxed{\text{B. } 69}$ C. -93 D. -69

5. What is the discriminant of the quadratic equation $-x^2 - 6x + 2 = 0$?

A. -28 $\boxed{\text{B. } 44}$ C. 28 D. -44

6. For the following quadratic equation, find the discriminant.
$$-40x + 28 = -4x^2 - 8x$$
$$\boxed{576}$$

7. For the following quadratic equation, find the discriminant.
$$-x^2 + 2x + 66 = -2x^2 + 1$$
$$\boxed{-256}$$

8. For the following quadratic equation, find the discriminant.
$$5x^2 - 5x - 169 = 2x^2 + x + 5$$
$$\boxed{2124}$$

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9. For the following quadratic equation, find the discriminant.

$$4x^2 + 107x + 313 = -x^2 + 7x - 7$$

$$\boxed{3600}$$

10. For the following quadratic equation, find the discriminant.

$$7x^2 + 14x - 16 = 8x^2 + 6x$$

$$\boxed{0}$$

ANSWER KEY