

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

- A. -69 B. 93 C. -93 D. 69

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

- 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 D. 44

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

- A. 93 B. 69 C. -93 D. -69

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

- A. -28 B. 44 C. 28 D. -44

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

$$-40x + 28 = -4x^2 - 8x$$

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

$$-x^2 + 2x + 66 = -2x^2 + 1$$

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

$$5x^2 - 5x - 169 = 2x^2 + x + 5$$

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

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

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

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