

1. What is the discriminant of the quadratic equation $x^2 + 9x - 8 = 0$?

- A. -113 B. 113 C. 49 D. -49

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

- A. -9 B. 9 C. -7 D. 7

3. What is the discriminant of the quadratic equation $7x^2 - 2x + 8 = 0$?

- A. 220 B. -220 C. 228 D. -228

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

- A. 73 B. 55 C. -55 D. -73

5. What is the discriminant of the quadratic equation $7x^2 - 7x - 6 = 0$?

- A. 119 B. -217 C. 217 D. -119

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

$$x^2 - 8x + 16 = 0$$

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

$$-x^2 + 14x - 24 = 4x$$

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

$$3x^2 + 30x + 75 = 0$$

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

$$-7x^2 + 12x + 86 = -8x^2 - 6x + 5$$

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

$$x^2 - 6x = 2x^2 + 6x$$



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