The discriminant

Name _____ Date _____

1. $4x^2 + 4x + 1 = 0$ $b^2 - 4ac$: _____

2. $-3x^2 + 2x - 2 = 0$ $b^2 - 4ac$: _____

3. $-4x^2 + 8x - 4 = 0$ $b^2 - 4ac$: _____

4. $2x^2 + 4x + 2 = 0$ $b^2 - 4ac$: _____

5. $-4x^2 + 4x - 1 = 0$ $b^2 - 4ac$: _____

6. $x^2 - 9x + 8 = 0$ $b^2 - 4ac$: _____

7. $x^2 + 9x + 8 = 0$ $b^2 - 4ac$: _____

8. $3x^2 + 6x + 4 = 0$ $b^2 - 4ac$: _____

9. $-2x^2 + 8x - 8 = 0$ $b^2 - 4ac$: _____

The discriminant

10. $4x^2 - 6x - 4 = 0$ $b^2 - 4ac$: _____

11. $3x^2 + x - 4 = 0$ $b^2 - 4ac$: _____

12. $-x^2 - 4x - 4 = 0$ $b^2 - 4ac$: _____

13. $2x^2 + 8x + 8 = 0$ $b^2 - 4ac$: _____

14. $-3x^2 + 6x - 5 = 0$ $b^2 - 4ac$: _____

15. $-x^2 - 7x + 1 = 0$ $b^2 - 4ac$: _____

16. $-4x^2 + 7x - 8 = 0$ $b^2 - 4ac$: _____

17. $2x^2 + x + 2 = 0$ $b^2 - 4ac$: _____

18. $-4x^2 + 9x - 8 = 0$ $b^2 - 4ac$: _____