

**Discriminant Practice****Find the discriminant of each quadratic equation then state the number and type of solutions.**

1)  $3x^2 - 5x + 2 = 0$

2)  $-4n^2 + 8n - 4 = 0$

3)  $5x^2 - 10x + 5 = 0$

4)  $-7n^2 + 7n = 0$

5)  $-5r^2 + 6r - 5 = 0$

6)  $2n^2 + 8n + 8 = 0$

7)  $-2n^2 - 5n - 8 = 0$

8)  $7a^2 - 4a - 3 = 0$

9)  $10n^2 + 5n = 0$

10)  $-r^2 + 6r - 9 = 0$

11)  $n^2 - 4n + 4 = 0$

12)  $7x^2 + 5x + 2 = 0$

13)  $-3n^2 - 4n + 4 = 0$

14)  $-p^2 + 2p - 1 = 0$

15)  $-6n^2 + 6n - 9 = 0$

16)  $9r^2 + 6r + 1 = 0$

17)  $9a^2 + 8a - 1 = 0$

18)  $-4v^2 + 4v - 1 = 0$

19)  $8k^2 - 10k + 3 = 0$

20)  $2p^2 - 8p + 8 = 0$