

Quadratic Formula and Discriminant**Solve each equation with the quadratic formula.**

1) $n^2 - 3n + 6 = 0$

2) $2n^2 - 8n - 18 = 0$

3) $4b^2 - 64 = 0$

4) $3v^2 + 2v - 85 = 0$

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

5) $-7m^2 - 10m - 8 = -8$

6) $-v^2 - 2v + 6 = 7$

7) $-7b^2 - 8b + 8 = 8$

8) $-n^2 + 2n + 9 = 10$

9) $4m^2 - 4m + 8 = 7$

10) $-6k^2 - k - 1 = -8$