solve these quadratic equations

1) $n(n + 2) + n + 2 = 12$

2) $n^2 + (n + 1)^2 = 13$

3) $n + (n + 1)(n + 2) = 14$

4) $(3n - 1)(2n - 1) = 15$

5) $n(n - 2) + 2n(n + 2) = 16$

6) $2n(n + 2) + 3n(n - 2) + 1 = 17$

7) $n(n + 1) + (n + 1)(n + 2) = 18$

8) $(2n + 4)(2n - 1) - 1 = 19$

9) $3n(2n - 1) + 2(n - 1)(3n - 5) = 20$

10) $2(n - 1)(2n - 1) + (3n - 1)(n + 1) = 21$