

Multiply the given binomials.

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

2) $(n - 1)(2n - 2)$

3) $(2x + 3)(2x - 3)$

4) $(r + 1)(r - 3)$

5) $(2n + 3)(2n + 1)$

6) $(3p - 3)(p - 1)$

7) $(3p + 3)(3p + 2)$

8) $(k - 2)(k - 3)$

9) $(x + 1)(x - 3)(x + 2)$

10) $x(x - 4)(x + 2)$

Solve each equation by taking square roots.

1) $10a^2 - 10 = 630$

2) $3k^2 + 4 = 130$