

Find the product of the following binomials and trinomials.

1.  $(x+2)(2x^2+x-1)$

2.  $(x-3)(3x^2-x-4)$

3.  $(a+4)(a^2+2a-2)$

4.  $(5a-3c)(a^2+ac-c^2)$

5.  $(x^3-4x)(x^2+x-2)$

6.  $(2a^3-b^3)(3a^2+2ab-b^2)$