Sec. 3.7 – Multiplying Polynomials

1. Expand and simplify.

a) $(3k + 4)(k^2 - 2k - 7)$

b) $(-2t^2 + 4t - 3)(5t^2 - 2t + 1)$

2. Expand and simplify.

a) $(4k - 3m)^2$

b) $(2v - 5w)(3v + 2w - 7)$

3. Expand and simplify.

a) $(4m + 1)(3m - 2) + 2(2m - 1)(-3m + 4)$

b) $(6h + k - 2)(2h - 3) - (4h - 3k)^2$