

Section 3.7 and 3.8**Worksheet #4**

1. Find the products.

a) $(2x+1)(3x^2+x+4)$

d) $(4x-1)(5x+2y-3)$

b) $(2x+y-1)(3x+2)$

e) $(x+1)^2(x+3)$

c) $(x+5)(x-5)(x^2+5x-2)$

f) $(x+6y-4)^2$

2. Factor completely.

a) x^2-144

b) $4x^2-9$

c) $100x^2-1$

d) $81-x^2$

e) $7x^2-28$

f) $25x^2-16y^2$

g) $8x^2-18$

h) $100x^2-4$

i) $4x^2-36$

j) $121-x^2$