Practice Exercises

A. Square each binomial.

1. $(n+4)^2$

2. $(2n-1)^2$

3. $(2-3n^2)^2$

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

5. $(-2x^2-y^4)^2$

B. Fill in the blanks.

1. $(x-3y)^2 = x^2 - \underline{\hspace{1cm}} + 9y^2$

2. $(2m+n^2)^2 = \underline{\hspace{1cm}} + 4mn^2 + n^4$

3. $(-3a^2-2b^3)^2 = 9a^4 + \underline{\hspace{1cm}} + 4b^6$

4. $(-mn^2 + 3p^2)^2 = $ _____ $- 3mn^2p^2 + 9p^4$

5. $(5b^2c^3 - 2d^3)^2 = 25b^4c^6 - $ _____ $+ 4d^6$

Problem Set

A. Square each binomial.

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

2. $(4n-1)^2$

3. $(2m^2-3n^3)^2$

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

5. $(-3n-2y^3)^2$

B. Fill in the blanks.

1. $(3x-y)^2 = 9x^2 - \underline{\quad} + y^2$

2. $(3m+2n^2)^2 = \underline{\quad} + 12mn^2 + 4n^4$

3. $(-2a^3-5b^2)^2 = 4a^6 + \underline{\quad} + 25b^4$

4. $(-m^3n^2 + 2p^3)^2 = \underline{} - 4m^3n^2p^3 + 4p^6$

5. $(4b^3c^2 - 3d^4)^2 = 16b^6c^4 - \underline{} + 9d^8$