Special Products HW

Find the product.

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

2. $(m+4)^2$ _____

3. $(3+a)^2$ _____

4. $(2x+5)^2$ _____

5. $(8-y)^2$ _____

6. $(a-10)^2$ _____

7. $(b-3)^2$ _____

8. $(3x-7)^2$ _____

9. $(6-3n)^2$ _____

10. $(x+3)(x-3)$ _____

11. $(8+y)(8-y)$ _____

12. $(x+6)(x-6)$ _____

13. $(5x+2)(5x-2)$ _____

14. $(4+2y)(4-2y)$ _____

15. $(10x+7y)(10x-7y)$ _____

Solve.

16. Write a simplified expression for each of the following.

    a. area of the large rectangle

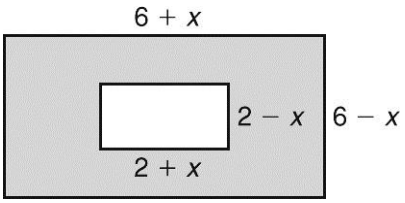
    _____

    b. area of the small rectangle

    _____

    c. area of the shaded area

    _____



17. The small rectangle is made larger by adding 2 units to the length and 2 units to the width.

    a. What is the new area of the smaller rectangle?

    _____

    b. What is the area of the new shaded area?

    _____