Name _____ Class _____ Date _____

Practice 9-4

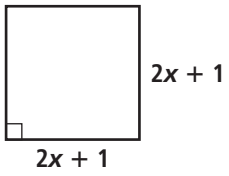
Multiplying Special Cases

Simplify.

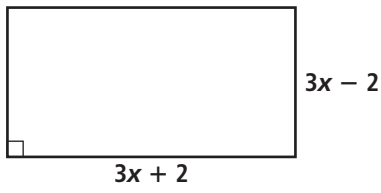
1. $(w - 2)^2$
2. $(y + 4)^2$
3. $(4w + 2)^2$
4. $(w - 9)^2$
5. $(3x + 7)^2$
6. $(3x - 7)^2$
7. $(2x - 9)^2$
8. $(x - 12)^2$
9. $(6x + 1)^2$
10. $(4x - 7)^2$
11. $(x + 8)(x - 8)$
12. $(x - 11)(x + 11)$
13. $(x - 12)(x + 12)$
14. $(y + w)(y - w)$
15. $(2x + 1)(2x - 1)$
16. $(5x - 2)(5x + 2)$
17. $(6x + 1)(6x - 1)$
18. $(2x - 4)(2x + 4)$
19. $(x^2 + y^2)^2$
20. $(2x^2 + y^2)^2$
21. $(a^2 - b^2)^2$
22. $(y^2 - 4w^2)^2$
23. $(3 - 6x^2)^2$
24. $(4a - 3y)^2$
25. $(3y + 2a)(3y - 2a)$
26. $(x^2 + 2y)(x^2 - 2y)$
27. $(3x^2 + 4w^{2)}(3x^2 - 4w^2)$
28. $(4x + 3w^2)(4x - 3w^2)$
29. $(2a + 7b)(2a - 7b)$
30. $(5a^2 - 6x)(5a^2 + 6x)$
31. 18^2
32. $(64)^2$
33. $(29)(31)$
34. $(97)(103)$
35. $(19)(42)$
36. $(95)(205)$

Find the area.

37.

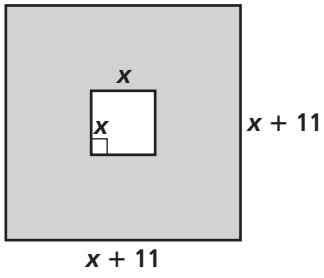


38.



Find the area of the shaded region.

39.



40.