

Multiplying Polynomials and Area

Name_____ Date_____

Simplify. Write your answers in standard form.

1. $2x(-2x-3)$

2. $(4n+1)(2n+6)$

3. $(4p-1)^2$

4. $(4x+2)(6x^2-x+2)$

5. $6m^2(5m^2-3m+7)$

6. $(7k-3)(7k+3)$

7. $(9x-8)(x+4)$

8. $(2n-4)(n^2+6n-4)$

9. $(x^2 - 7x - 6)(7x^2 - 3x - 7)$

10. $4x^3(7x^2 - 4x - 2)$

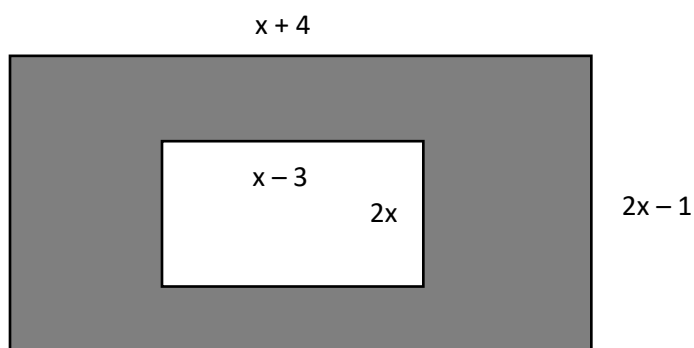
11. Find the area of the rectangle.

$(4x - 2)$ ft.

$(6x + 1)$ ft.



12. Find the area of the shaded region.



13. Find the volume of the rectangular prism.

