

SM2 4.3 HW Multiplying Polynomials

Simplify.

1. $3v(v+2)$

2. $2h(h^2 - 6h + 1)$

3. $-4y(-y^3 - 8y^2 + 2y)$

4. $5a^2b^3(a^2b^6 - 3a^4b^2 + 9ab^6)$

5. $(x+5)(x-3)$

6. $(y-2)(y+1)$

7. $(x-12)(x-11)$

8. $(c+8d)(c+10d)$

9. $(2x+9y)(x+5y)$

10. $(7m-2)(5m+1)$

$$11. (3k^2 - 4)(7k - 5)$$

$$12. (-3w + 5)(-3w - 2)$$

$$13. (k - 8)(k + 8)$$

$$14. (7n + 8)(7n - 8)$$

$$15. (v^2 - 6)(v^2 + 4)$$

$$16. (y - 8)^2$$

$$17. (2r - 3)^2$$

$$18. (x^2 + 5y)^2$$

$$19. (5x^2 + 3x - 11)(6x - 1)$$

$$20. (4y^2 + y - 2)(3y^2 - 5y - 7)$$