

Assignment

Date _____ Period _____

Expand completely.

1) $(2y + 4x)^4$

2) $(3x + 1)^4$

3) $(3a + 1)^3$

4) $(m + 3)^3$

Find each product.

5) $(-5v - 7)(7v + 4)$

6) $(-n + 8)(-5n - 5)$

7) $(-7a - 1)(a - 5)$

8) $(-4r + 8)(-7r + 8)$

9) $(-4a^2 + 2a + 7)(-a^2 - 6a + 5)$

10) $(-7x^2 - 2x + 8)(2x^2 + x + 8)$

11) $(8v^2 + 5v + 8)(7v^2 + 6v + 5)$

12) $(-2x^2 + 3x + 4)(-4x^2 + x - 4)$

Simplify.

13) $(7i)(6i)(-2 + 4i)$

14) $(4 + i)(-6 - 5i)$

15) $(-7i)(-6i) + (i)(3 + 8i)$

16) $(-5 - 3i)^2$

17) $(-i)(-5 + 6i)(-4 + i)$

18) $(3 + 5i)(3 - 2i)(-2 + i)$