

Warm Up

April 12, 2019

Simplify the polynomial expressions:

1.) $(x - 4)^2$

2.) $(3x + y^2)^2$

Write the equation of a line given the following information:

3.) X-Intercept : $(4,0)$

Y-Intercept: $(0, -1)$

Hint: Find the slope first.

Go Go Power Ru-ule!



MEDIUM

7. $(-2a^4b^6)^2$
 $(-2)^2 (a^4)^2 (b^6)^2$
 $4a^8b^{12}$

8. $(-5x^3y^4)^2$
 $(-5)^2 (x^3)^2 (y^4)^2$
 $25x^6y^8$

9. $(x^3y^3)^3 \cdot xy^2$
 $(x^3)^3 (y^3)^3 \cdot xy^2$

10. $a^3 \cdot (a^2b)^4$
 $a^3 \cdot (a^2)^4 (b)^4$

$x^9 y^9 \cdot xy^2$
 $x^{10} y^{11}$

$a^3 \cdot a^8 b^4$
 $a^{11} b^4$

HARD

13. $(2a^2)^3 + (a^4)(3a^2)$

$(2)^3 (a^2)^3 +$
 $8a^6 + 3a^6$
 $11a^6$

14. $(3x^3y)^4 - (7x^5y)^2 x^2y^2$

$(3)^4 (x^3)^4 (y)^4 - (7)^2 (x^5)^2 (y)^2$
 $81x^{12}y^4 - 49x^{10}y^2 \cdot x^2y^2$
 $81x^{12}y^4 - 49x^{12}y^4$
 $32x^{12}y^4$