Algebra Lesson 7-4A

Due Today: 7-4A p.347 #1-15 odds

Lesson 7-4 **pp. 347–350**

EXERCISES **1.** c^{10} **3.** n^{32} **5.** c^{19} **7.** $\frac{1}{t^{14}}$ **9.** $625y^4$

11. $49a^2$ **13.** $36y^4$ **15.** $\frac{1}{8y^{12}}$ **17.** x^{16} **19.** 1

21. $9a^6b^8$ **23.** 1.6×10^{11} **25.** 8×10^{-30}

27. 4.9×10^9 **29.** 6.25×10^{-18} **31.** $8.57375 \times$

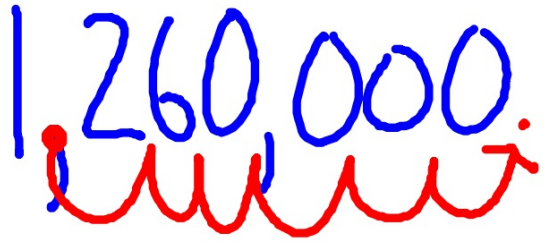
Due Monday: 7-4B p.347 #2-22 even

13. $(6y^2)^2 = 6y^2 \cdot 6y^2$

$= 36y^4$

$$(3^2 x^0 y^{-2})(w y^{-5})$$

$$9 y^{-7} w = \frac{9w}{y^7}$$



$1.26 \cdot 10^{6}$

$.000126 = 1.26 \times 10^{-4}$

$.00000359 = 3.59 \times 10^{-6}$

Simplify each expression.

1. $(c^5)^2$
2. $(c^2)^5$
3. $(n^8)^4$
4. $(q^{10})^{10}$
5. $(c^5)^3c^4$
6. $(d^3)^5(d^3)^0$
7. $(t^2)^{-2}(t^2)^{-5}$
8. $(x^3)^{-1}(x^2)^5$

Simplify each expression.

9. $(5y)^4$
10. $(4m)^5$
11. $(7a)^2$
12. $(12g^4)^{-1}$
13. $(6y^2)^2$
14. $(3n^6)^4$
15. $(2y^4)^{-3}$
16. $(2p^6)^0$
17. $(x^2)^5(x^3)^2$
18. $(2xy)^3x^2$
19. $(mg^4)^{-1}(mg^4)$
20. $(c^{-2})^3c^{-12}$
21. $(3b^{-2})^2(a^2b^4)^3$
22. $(2a^2c^4)^{-5}(c^{-1}a^7)^6$