

Algebra I

4-1

Exponents

Orders of Operations-

1) _____

2) _____

3) _____

4) _____

Contrast

$x^4 =$

$4x =$

Oral Exercises (pg 143). Do them on your own.

Write each in exponential form.

1) $x x x x$ 2) $a a a a a$ 3) $n y y n$ 4) $c c y$ 5) $2 p 5 p$

6) $a 3 a a 2 a$ 7) $(-r)(-r)$ 8) $-r r$ 9) $(-2) b (-4) b$

10) $2 k k (-4) k$ 11) $a a a 3 b b b$ 12) $a a b 5 b b a$

Simplify

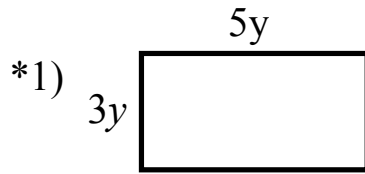
13) 2^5

14) $5 \cdot 2^3$

15) -2^2

Written Exercises. (pg 143)

Find the area of each rectangle.



Write each expression in exponential form.

17) $r(-4) \cdot s \cdot s$

Simplify.

29 a) $7 + 3^3$

b) $(7 + 3)^3$

Evaluate if $a = 3$ and $b = -2$.

45) $\frac{a^3 + 2b^3}{a + 2b}$

Assignment:

Pg. 143

1 - 23 all,

24 - 46 even.