24 **=** **2 . 2 . 2 .2 = 16**

23 **=** **2 . 2 . 2 = 8**

22 **=** **2 . 2 = 4**

21 **=** **2**

20 **=** **1**

2-1

2-2

2-3

2-4

Negative Exponents

Zero Exponents

x0 = 1

3-3

9-2

7-2

5-3

120

**1**

(0.5)0

**1**

1,999,9990

**1**

(-3.2)0

**1**

5 . 7-2

4 . 3-4

3 . 2-3

2 . 5-3

(5-3)1

**5-3**

(4-1)-2

**42 = 16**

(1-4)3

**1-12**

(2-2)2

**2-4**

**6-2**

**25 = 32**

**102 = 100**

**43 = 64**

23 . 2-2 . 24 . 27 . 2-8 . 2-3

**21 = 2**

x-8 . x3 . x-2 . x-5 . x2 . x7

(54)(53)(52)(5-5)(5-5)(5-1)

(a-5)(a7)(a3)(a-2)(a-4)

3x-5

12x0(x-4)

(2x2y3z5)0

**1**  
(x-10)(x6)

2j3k-4 . 4j-4k-4

**8j-1k-8**

(p5r-2)-3

**p-15r6**

a2bc-3

(5x3)(2x-4)