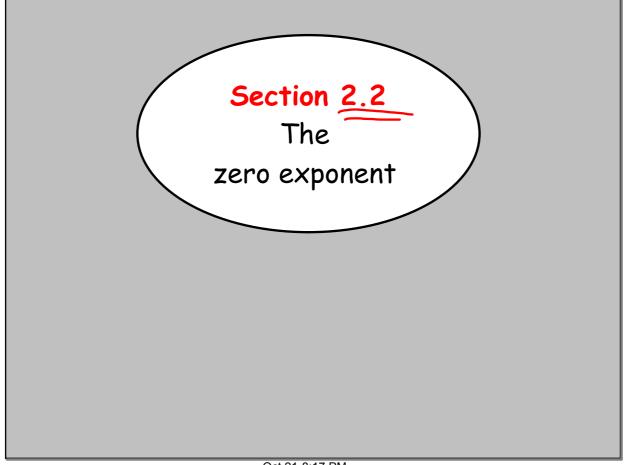
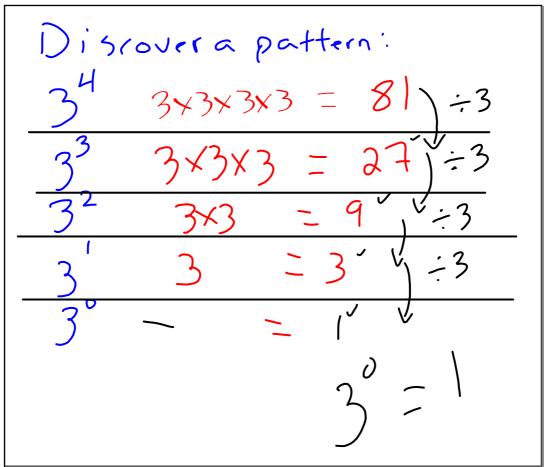


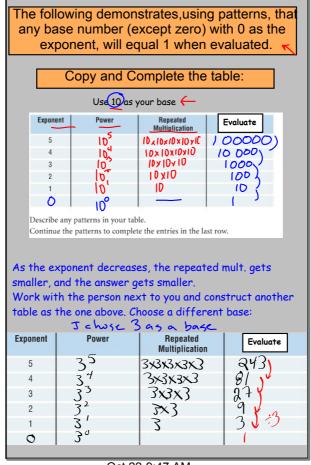
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We could make a similar table for the powers of any integer base except 0. So, 1 can be written as any power with exponent 0.

For example, $1 = 2^{0}$ $1 = 13^{0}$ $1 = (-5)^{0}$

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Example 1 Evaluating Powers with Exponent Zero

Evaluate each expression.

a)
$$4^0$$

b)
$$-4^0$$

c)
$$(-4)^0$$

Evaluate each expression.

c)
$$(-4)^0 = 1$$

A Solution

A power with exponent 0 is equal to 1.

a)
$$4^0 = 1$$

b)
$$-4^0 = -1$$

c)
$$(-4)^0 = 1$$

| end of Mini-lesson #2 |
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