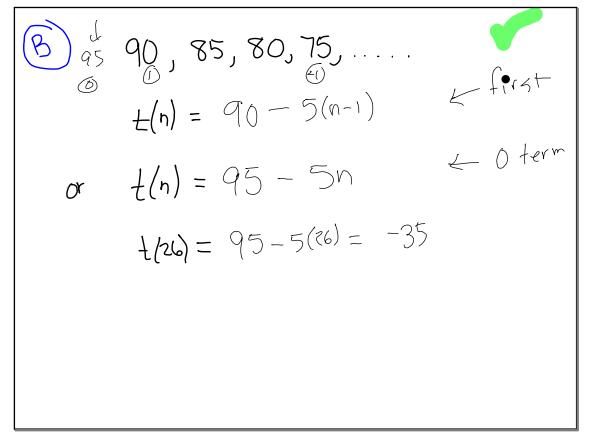
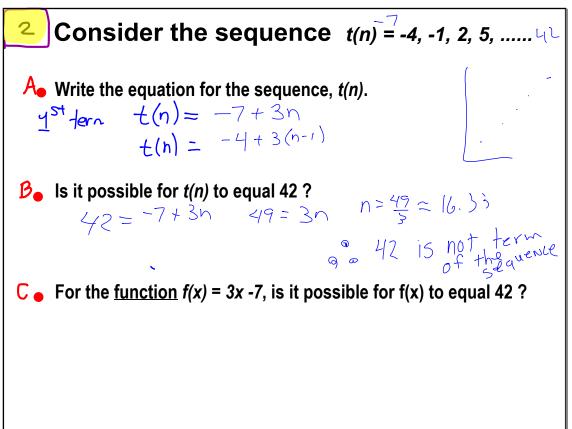
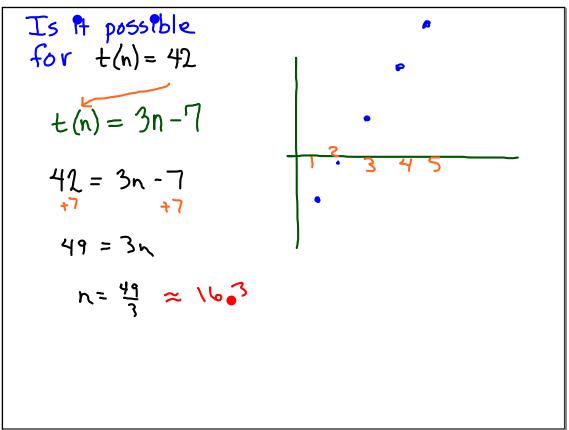


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$$t(n) = -4, -1, 2, 5, \dots$$

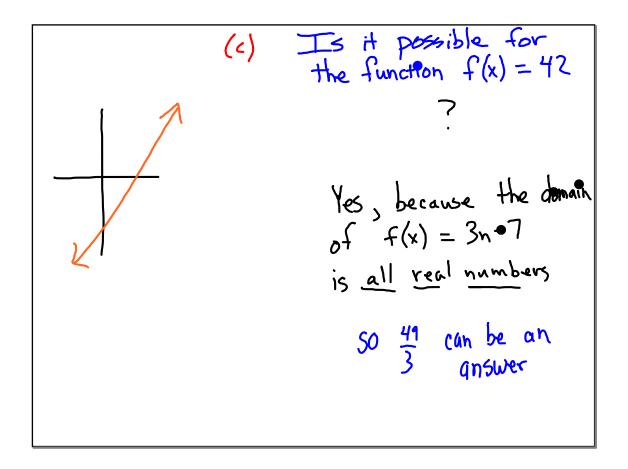


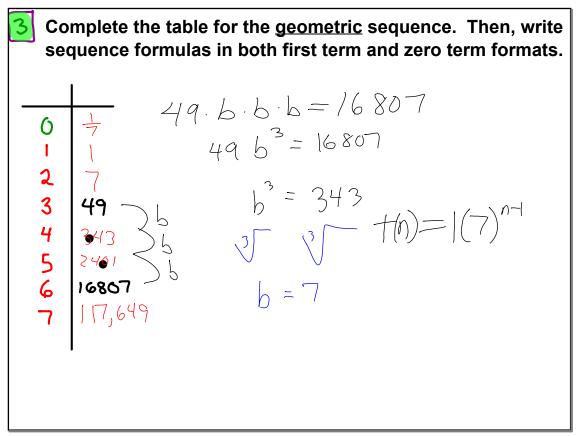
c) Is It possible
for
$$t(n) = 42$$

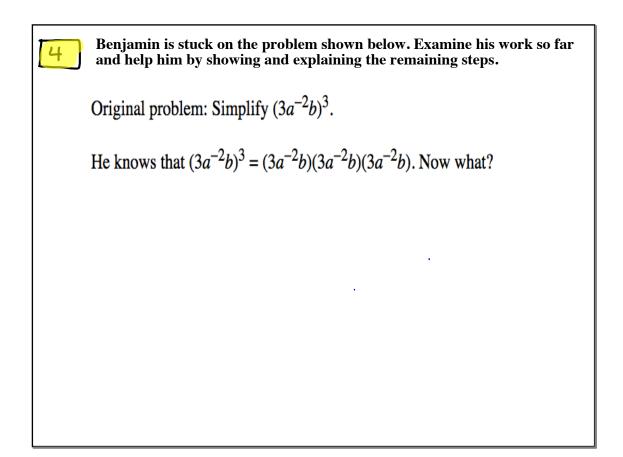
 $t(n) = 3n - 7$
 $42 = 3n - 7$
 $49 = 3n$
 $n = \frac{49}{3} \approx 16^{3}$

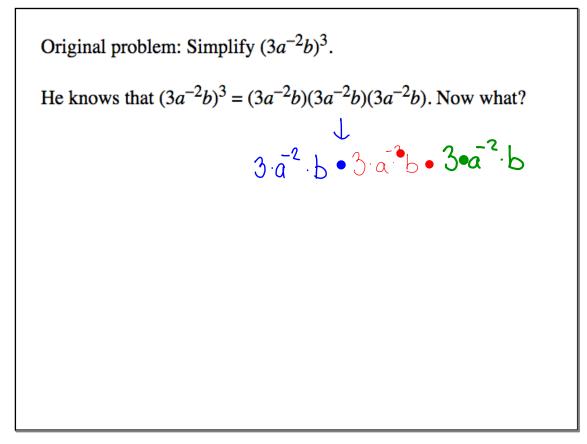
So, NO, the domain of a sequence only includes positive nubmers.

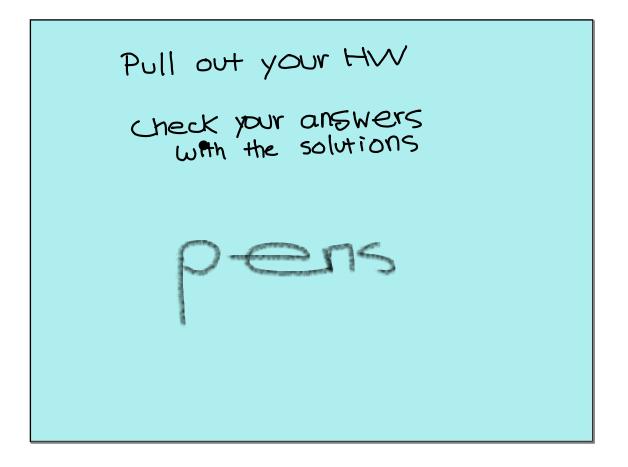






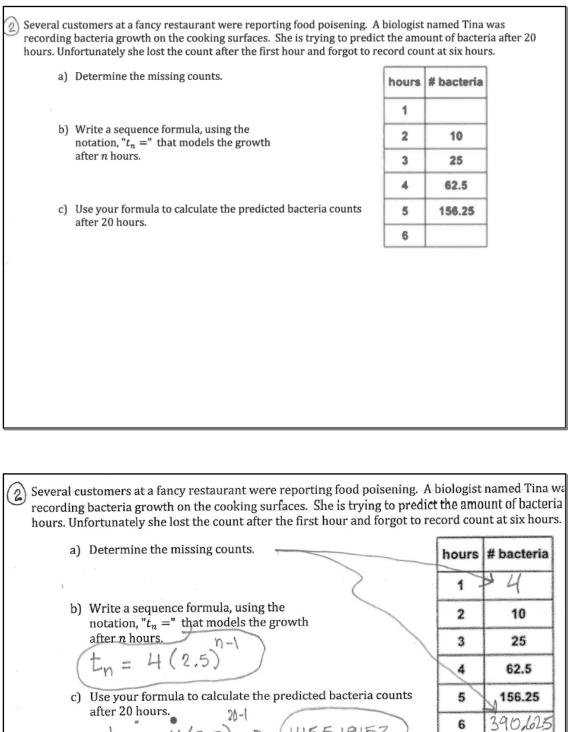




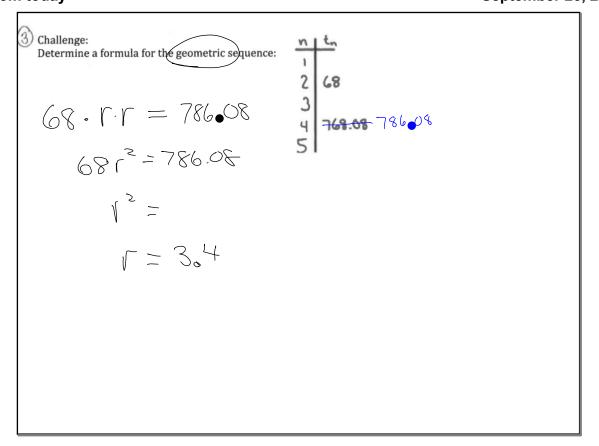


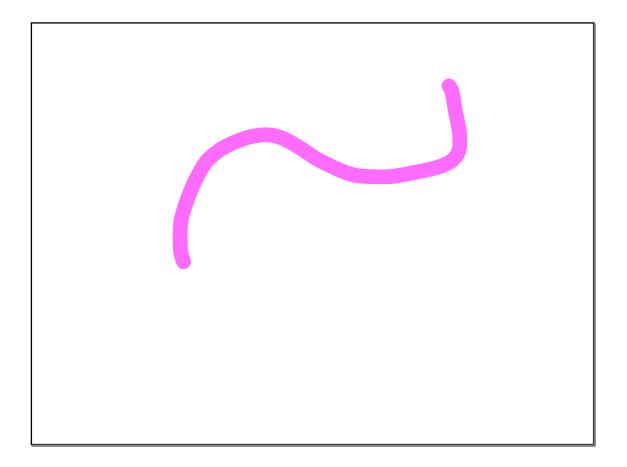
After lest Assignment Name Date this will count as the first assignment for the next Unit. Name Name
() Find the missing terms of the sequence and write a sequence formula in both zero term and first term format.
a),, 125,,, (hint: the multiplier is 1.25)
first term format: $t_n = $ zero term format: $t_n = $
b) 4000, 1000, 250,,,
first term format: $t_n =$ zero term format: $t_n =$
After Test Assignment this will count as the first assignment for the next Unit.
Find the missing terms of the sequence and write a sequence formula in both zero term and first term format.
a) $\frac{50}{125}$, $\frac{100}{125}$, $\frac{125}{125}$, $\frac{100}{125}$, $$
(first term format: $t_n = \frac{80(1.25)}{1.25}$ zero term format: $t_n = \frac{64(1.25)}{1.25}$
b) 4000, 1000, 250, 62, 5, 15, 62, 5,
$\frac{1000}{400} = \frac{1}{4} \frac{250}{100} = \frac{1}{4}$ first term format: $t_n = \frac{4000(\frac{1}{4})^n}{000(0.75)^{n-1}}$ zero term format: $t_n = \frac{16,000(\frac{1}{4})^n}{000(\frac{1}{4})^{n-1}}$
or 4000 (0.25)"

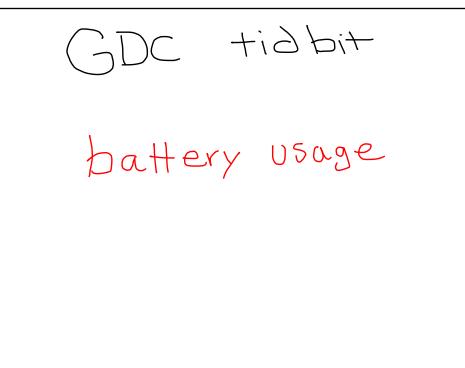
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after 20 hours. $t_{20} = 4(2.5) = (145,519,152)$



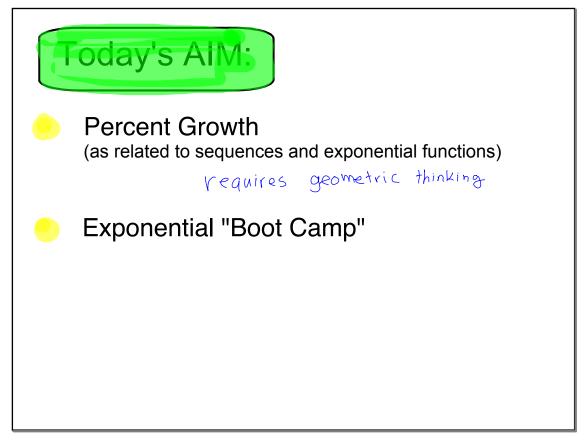


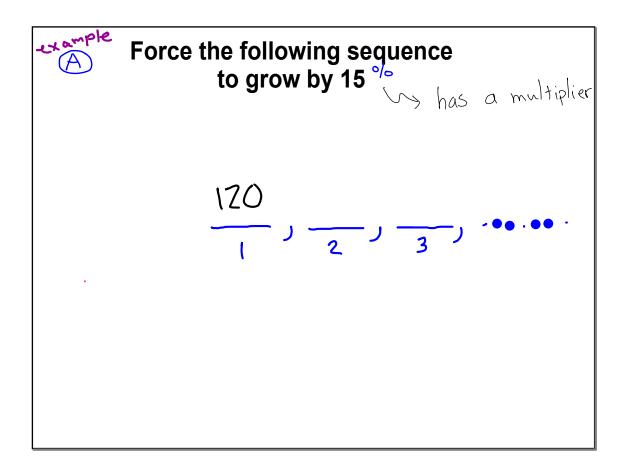


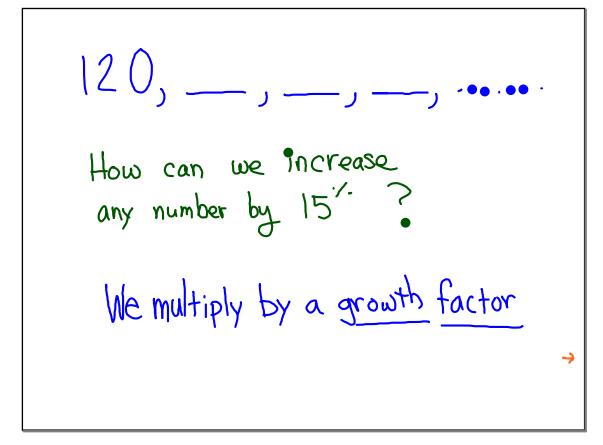
Four Day Unit

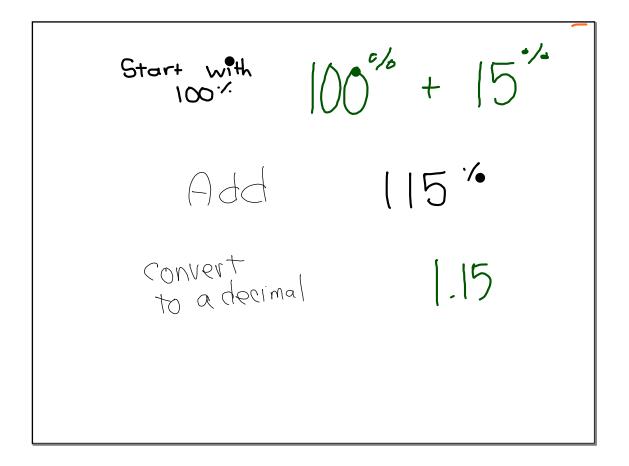
Transfer Skill Review from Alg/Geom

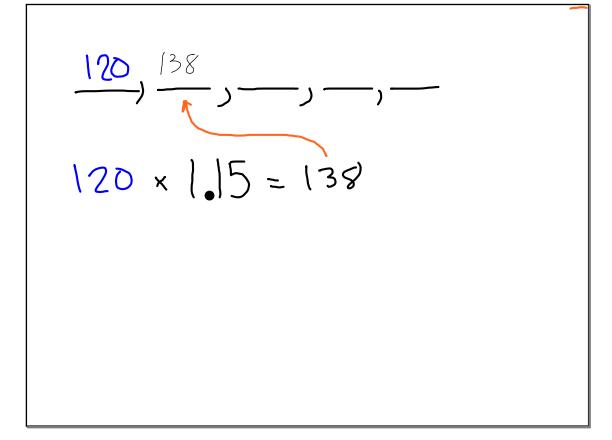
before starting Chapter 2



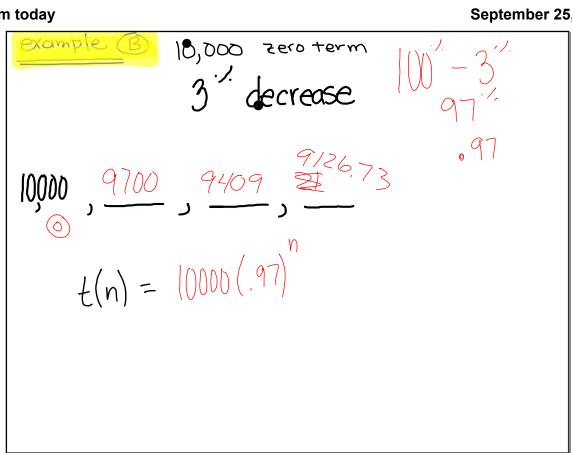






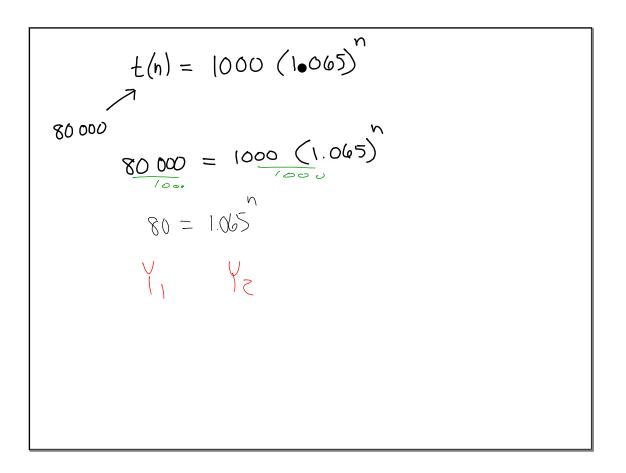


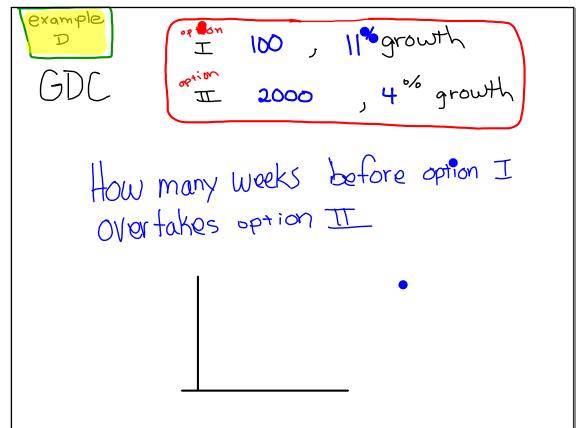
$$\frac{120}{1}, \frac{138}{2}, \frac{158.7}{3}, \frac{182.505}{4}, \cdots$$
$$t_{n} = 120 (1.15)^{n-1}$$

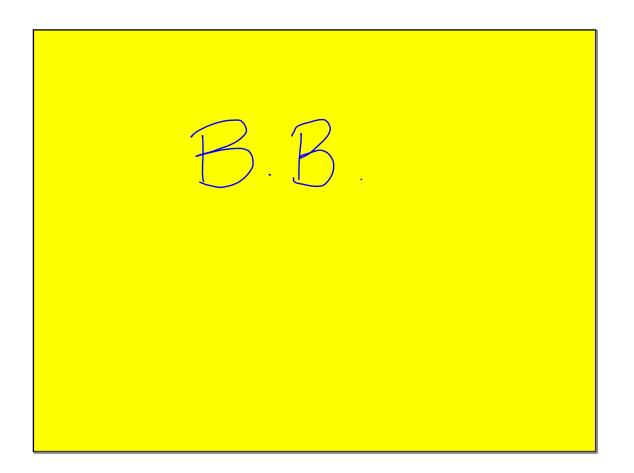


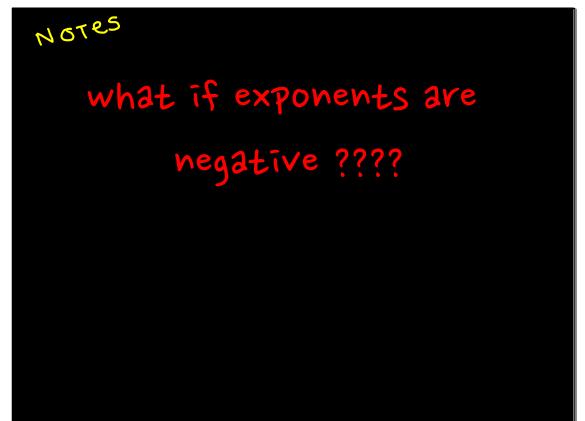
Start with 1000
$$t_{term}$$

at 6.5 growth
Write a formula. $t_n = 1000(1006)^{n-1}$
 $t_n = 1065(1.065)^{1}$
How many weeks would it take
to reach 80,000



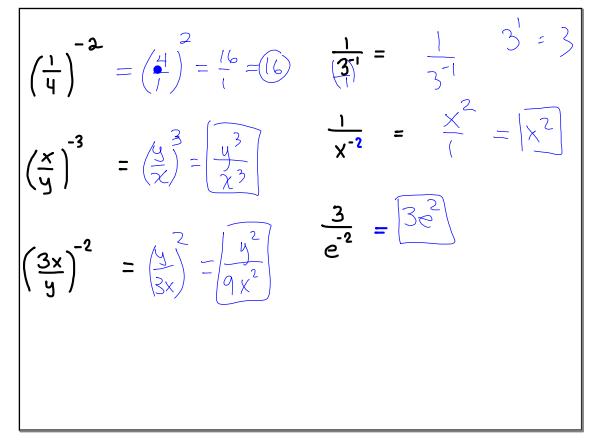






What if there were negative exponents
$$p$$

 $\left(\frac{3}{5}\right)^{-1} = \left(\frac{5}{3}\right)^{-1} = \frac{5}{3}$
 $5^{-1} = \left(\frac{5}{7}\right)^{-1} = \frac{1}{5}$
 $\left(\frac{a}{5}\right)^{-1} = \left(\frac{de}{a}\right)^{-1} = \frac{de}{a}$
 $\left(\frac{1}{x}\right)^{-1} = x$



$$a_{b}^{*}b_{c}^{*} \cdot a_{c}^{*}b_{c}^{*} = a_{c}^{*}b_{c}^{*}$$

$$x_{c}^{*}y_{c}^{*} \cdot x_{c}^{*}y_{c}^{*} = x_{c}^{*}y_{c}^{*} = \frac{1}{x}$$

$$\frac{n^{9}}{n^{2}} = \frac{n^{8}}{1}n^{2} = n^{10}$$

$$\frac{5x^{-3}}{x^{6}} = \frac{5}{x^{6}x^{3}} = \frac{5}{x^{9}}$$

