3 Warm Up Questions To do in your notes

- ① Completly factor $100n^2 200n + 100$
- 2) Solve the absolute value equation 3/2x+1/-4 = 56

① Completly factor
$$100 n^{2} - 200 n + 100$$

$$100 (n^{2} - 2n + 1)$$

$$100 (n-1)(n-1)$$

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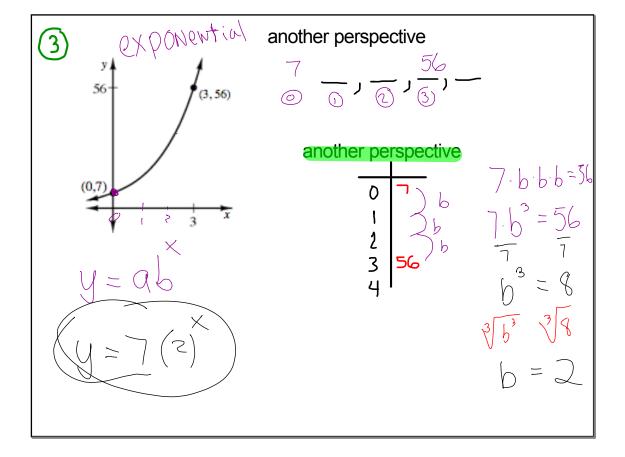
$$3 | 2x+1 | -4 = 56$$

$$+4 + 4$$

$$3 | 2x+1 | = 60$$

$$2x+1 | = 20$$

$$2x+1 | = 70$$



$$B-26$$
 Morgan Kendall $y = 615 + 25x$ $y = 975 - 15x$ $= 975 - 15x$ $= 975 - 15x$

Test 1 Re-take Optioins
The Window is closing on opportunties to come in to get help and the re-take it.

Question on HW?

B-26 Morgan's sovings
$$M = 0.15 + 25 \kappa$$
 when will they be the source?

Wendal's $K = 9.75 - 15 \kappa$ spending!!

When will they be the source?

 $0.15 + 25 \kappa = 9.75 - 15 \kappa$ spending!!

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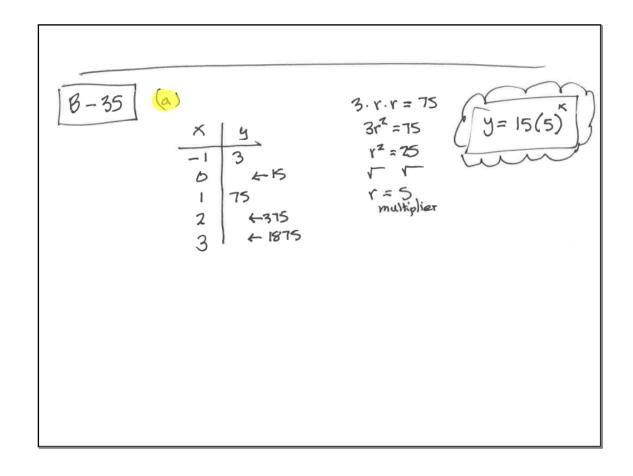
 $0.15 + 25 \kappa = 9.75 - 15 \kappa$ spending!!

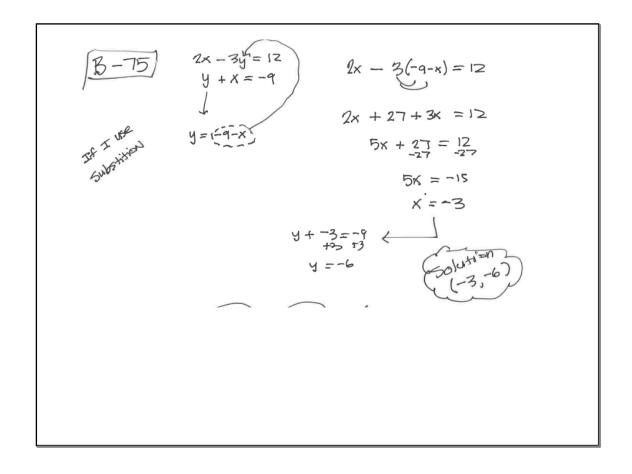
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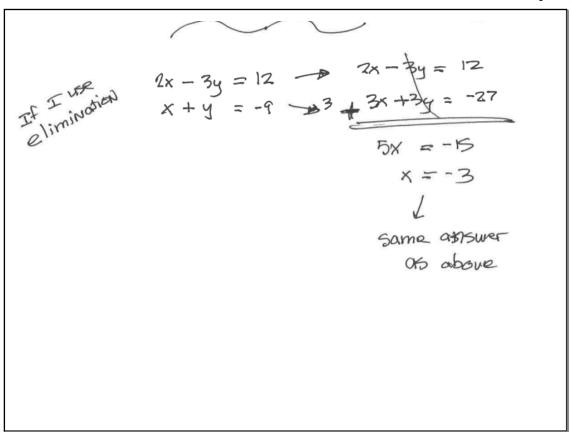
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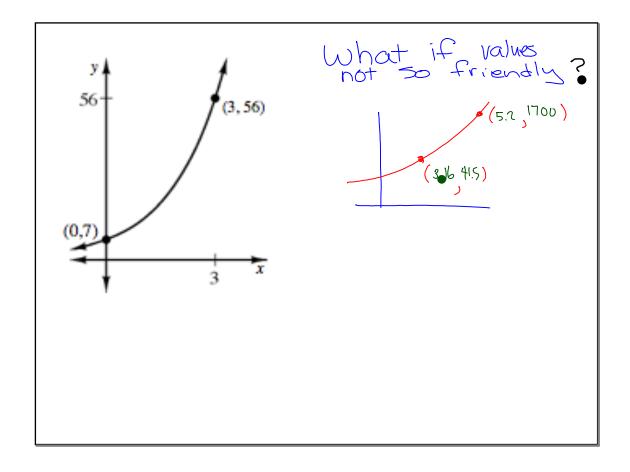




f January 10, 2018



Create an exponential model using double substitution

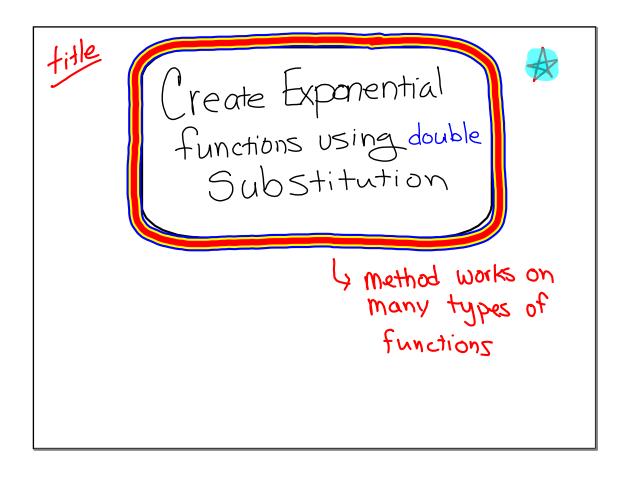


to help us, we'll re-visit a problem from our RECENT past (the Warm Up)

slope 3

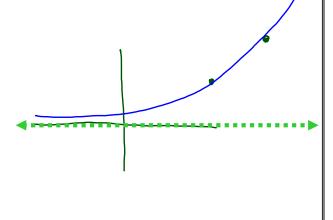
point (5, 19)

$$y = mx+b$$



Example1

find the equation of an exponential function with an asymptote at y = 0 that passes through the points (2, 16) and (6, 256).



$$y = ab$$
 $y = ab$
 y

$$\alpha = \frac{16}{(b)^2}$$

$$\alpha = \frac{16}{(2)^2}$$

$$= 4$$

example 2
$$(4,11)$$
 $(7,1375)$
 $Y = .0176(5)$
 $Y = .0176(5)$
 $Y = .025(5)$
 $Y = .025(5)$

Assignment

Worksheet "Systems...." which requires your textbook on two of the problems.