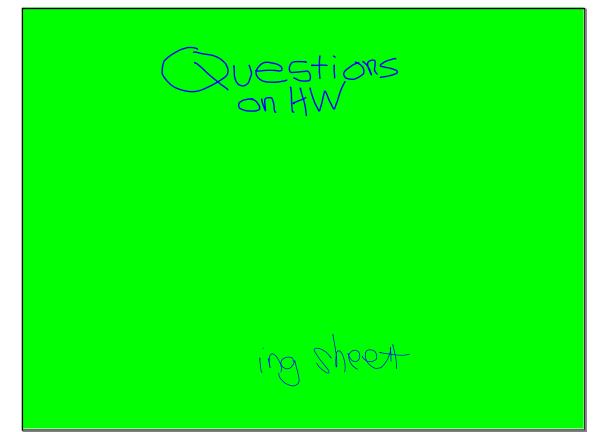


Simplify without negative exponents a) Nox\* x'y\* = 10 x 4 y<sup>2</sup> b)  $(3x)^{-1} = \frac{1}{(3x)^{1}} = \frac{1}{3x}$ c)  $(x^{3}y)^{-2} = \frac{1}{(x^{3}y)^{2}} = \frac{1}{(x^{3}y)^{2}}$ 



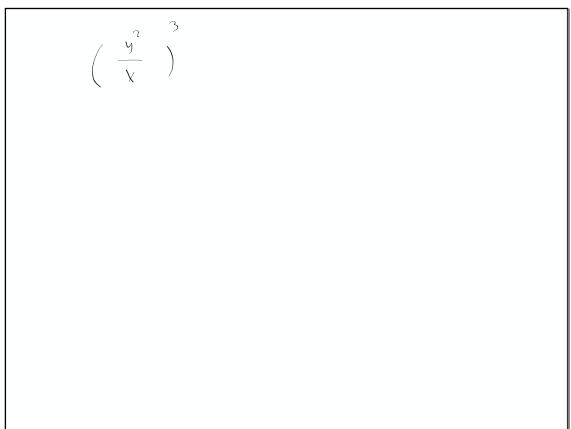
$$M_{56} = (x^{-1} \cdot y^{2})^{3} = (x^{-1})^{3} (y^{2})^{3} = x^{-3} y^{6} = \frac{y^{6}}{x^{3}}$$

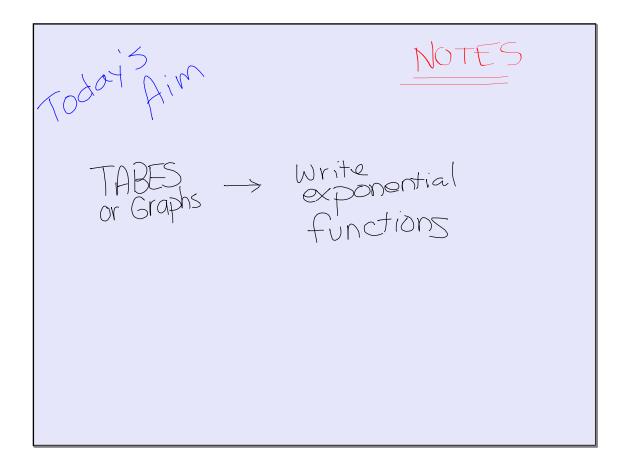
$$e (8 \times 10^{5})(16 \times 10^{2}) = 12.8 \times 10^{3} = 128 \times 10^{4}$$

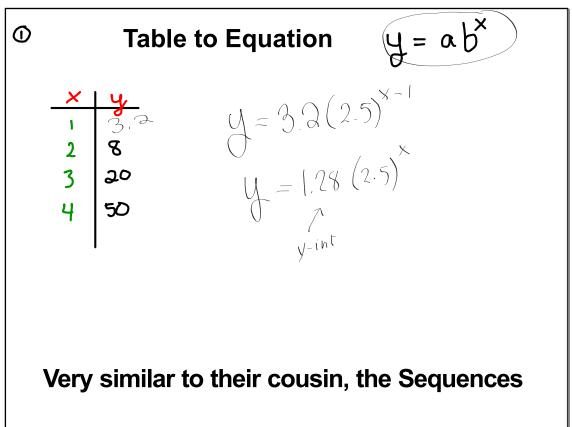
$$g \cdot 10^{5} \cdot 1.6 \cdot 10^{2}$$

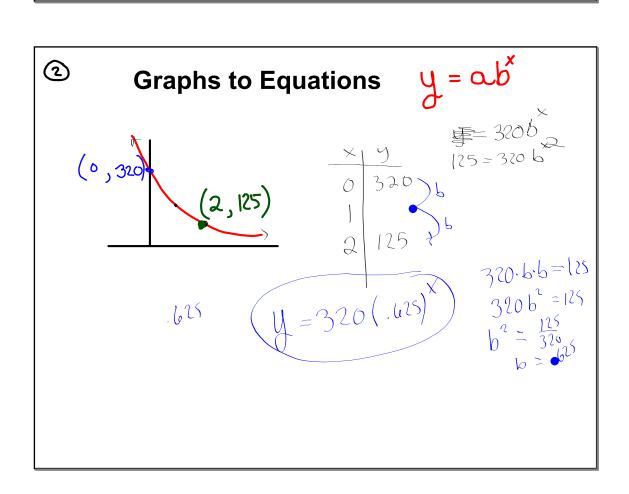
$$f = \frac{4 \cdot 10^{5}}{5 \cdot 10^{5}} = 0.8 \cdot \frac{1}{10^{2}} = 0.8 \times 10^{-3}$$

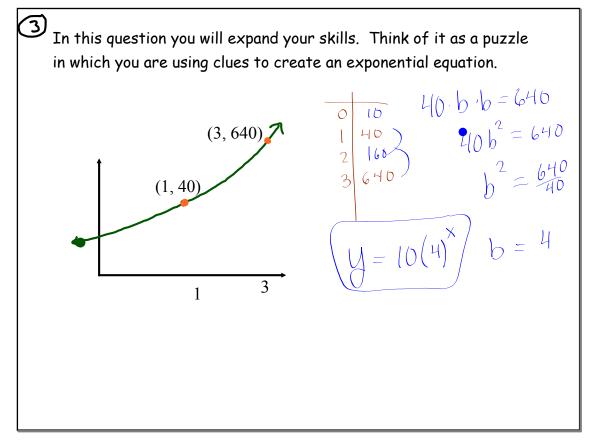
$$g \times 10^{-3}$$

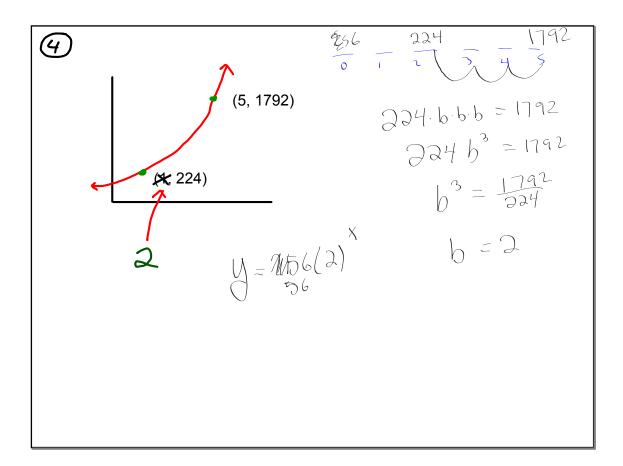




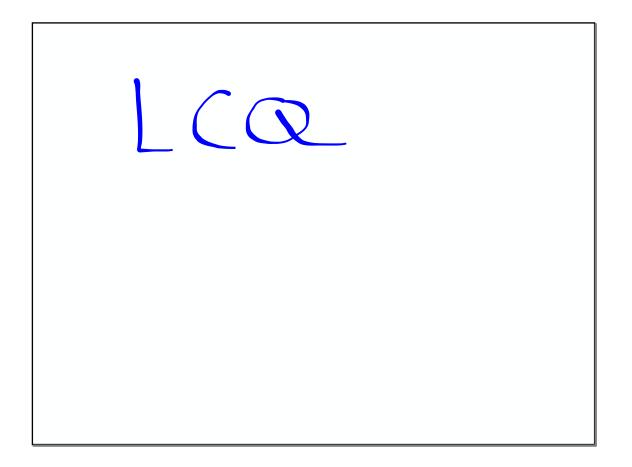






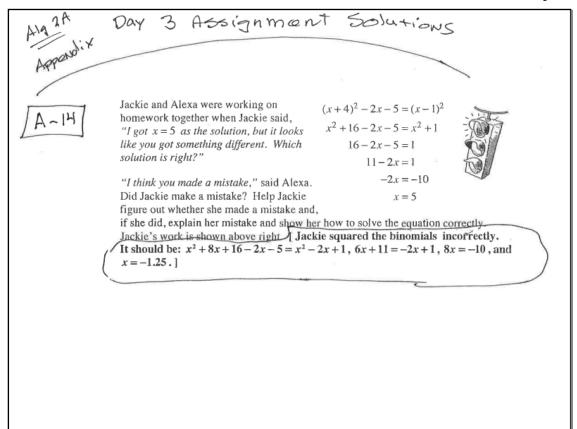


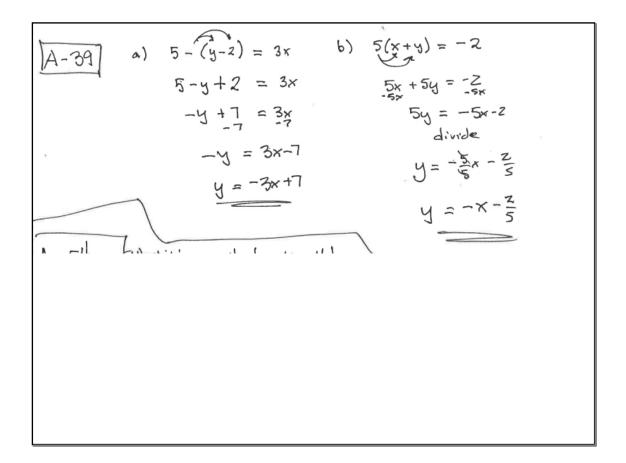




Assignment A...121b, 123, 125 < Appendix A B...35, 48, 61, 64 Appendix B







## January 10, 2019

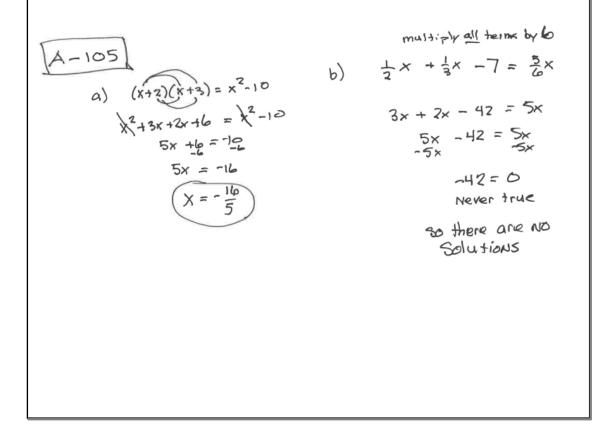
$$\begin{array}{c} A-54 \ a \ \text{Bubstition method work well here} \\ y + 3x = -10 \ 5x - y = 2 \\ y = -3x \ -3x \ y = -3$$

$$\begin{array}{c} A - 54 \\ 6x = 7 - 2y \\ 4x + y = 4 \\ y = -2 + 4x + 4 \\ y = -2 + 4x + 4 \\ 6x = 7 - 2 + 4x + 4 \\ 6x = 7 + 8x - 8 \\ -8x - 1 \\ -8x - 8x \\ -2x = -1 \\ x = \frac{1}{2} - 7 \end{array}$$

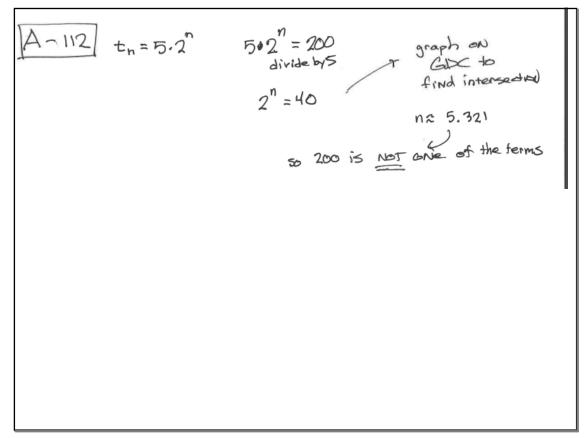
$$\frac{[A-1C_{2}]}{[A]} (a) (2m^{3})(4m^{2}) = 3m^{5}$$

$$(b) \frac{(y)}{3y^{2}} = 2y^{3} = (-2)^{3}(x^{2})^{3}$$

$$(c) -4y^{2} = -\frac{2}{3y^{5}}$$



Solutions  
C) 
$$|2x-1| = 9$$
  
 $2x-1 = 9$   
 $1 = 1$   
 $2x-1 = 9$   
 $1 = 1$   
 $2x = 10$   
 $2x = -9$   
 $1 = 1$   
 $2x = -9$   
 $2x = -2x$   
 $2 = x$   
 $2 = x$   
 $2 = x$   
 $x = 2 = x$   
 $x = 2 = x$   
 $x = 2 = x$ 



Appendix 13  
a) 
$$(3x^2y z^4)^2 = (9x^4y^2z^3)^3$$
  
b)  $(\frac{1^{3}x}{15^{3}t})^3 = (\frac{r}{5^{2}t})^3 = (\frac{r^3}{5^{6}t^3})^3$   
c)  $(3m+T)(2m-1) = (m^2 - 3m + 14m - T) = (6m^2 + 11m - T)^3$   
d)  $(x - 3)^2 = (x - 3)(x - 3) = x^2 - 3x + 9 \in X^2 - 6x + 9$ 

DVD 10505 60<sup>1</sup> every year  
start at 450  
a) Multiplier D.4 
$$100^{-1}-60^{-1} = 40^{-1}$$
  
b)  $y = 80(0.4)^{1} = \frac{45}{32}$  efter 1 year  
 $y = 80(0.4)^{4} = 452.05$  after 4 yes  
c)  $V(t) = 80(0.4)^{\frac{1}{2}}$   
d) IN theory it will never go  
to 0  
 $100^{-1}-60^{-1} = 40^{-1}$ .

j