Lecture 1 Review of Pre Calculus

Trig Functions:

Sin
$$\theta = \frac{cpp}{hyp} = \frac{y}{hyp}$$
 $cos\theta = \frac{cos\theta}{hyp} = \frac{y}{hyp}$
 $cos\theta = \frac{cos\theta}{hyp} = \frac{cos\theta}{hyp}$

Reciprocal Functions:

 $cos\theta = \frac{cos\theta}{hyp} = \frac{cos\theta}{hyp} = \frac{cos\theta}{hyp}$

Sin $\theta = \frac{s}{13}$ and θ is in the $\frac{s}{13}$ quadrant, then $\frac{s}{13}$

What is the value of the remaining trig from $\frac{s}{13}$

Sin $\theta = \frac{s}{13} = \frac{s}{13}$. Need to find $cos\theta$.

 $cos\theta = \frac{s}{169} = \frac{s}{169}$

Sin $\frac{s}{169} + cos^2\theta = \frac{s}{169} = \frac{s}{169}$
 $cos\theta = \frac{s}{169} = \frac{s}{169}$
 $cos\theta = \frac{s}{169} = \frac{s}{169}$
 $cos\theta = \frac{s}{169} = \frac{s}{169}$

Since
$$\theta$$
 is in the 2cd Quart, $\cos\theta = \frac{12}{13}$
 $\sin\theta = \frac{1}{3}$
 $\cos\theta = \frac{12}{13}$
 $\cos\theta = \frac{12}{13}$
 $\cot\theta = \frac{1}{3}$
 $\cot\theta = \frac{$

$$e^{\ln(x)} = \chi$$

$$ln(e^{x}) = \chi$$

(3)
$$e^{18 + \ln(20x)} = e^{18} e^{\ln(20x)} = e^{18}(20x)$$

$$\frac{e^a e^b = e^{a+b}}{(e^a)^b} = e^{ab}$$

$$\frac{e^{a}e^{b}-e^{a+b}}{(e^{a})^{b}-e^{ab}} = e^{b} + e^{a+b} + e^{b} + e^{b} + e^{b} + e^{a} + e^{a}$$

$$= e^{(6/2)} \ln(5x) = e^{3 \ln(5x)}$$

$$= \left[e^{\ln(\hat{s}x)} \right]^3 = (5x)^3 = 125x^3$$

Ex/Solve for x in $|n(x^2) = 5$ $e^{\ln(x^2)} = e^5$ $x^2 = e^5$ $x = \pm \sqrt{e^5}$ $= \pm (e^5)^{\frac{1}{2}} = \pm e^{\frac{5}{2}}$