Beginning Algebra ~ Lesson 25

Work the following examples as you listen to the recorded lecture.

Negative Exponents and Scientific Notation

Example 1:	Example 2:	Example 3:	Example 4:
4 ⁻³	$(-3)^{-4}$	$(\frac{1}{2})^{-5}$	$7x^{-3}$
Example 5: 4 ⁻¹ -	+ 4 ⁻² Exa	mple 6: $\frac{p^{-5}}{q^{-4}}$	
Example 7: $\frac{-1}{p^{-4}}$	Example 8:	$\frac{p^2p}{p^{-1}}$	Example 9: $\frac{(x^2)^8 x}{x^9}$
Example 10: (x^5y)	^{,3}) ⁻³	Example 11: $\frac{(y^4)}{y^1}$	$\frac{)^2}{2}$
Example 12: $(-2x^3y^{-4})(3x^{-1}y)$		Example 13: $\left(\frac{x}{x}\right)$	$(\frac{y^2y^4}{y^7})^2$

Write in scientific notation: Example 14:78,000

Example 15:0.00000017

Write in regular notation: Example 16: 1.16×10^6

Example 17: 6.35×10^{-4}