Solutions to WS 8.1 - Evaluating Expressions with Exponents, #1-35 odd

$$3^2$$
 = 3.3

$$(3)$$
 -  $(9)^2$  base  
= - $(9.9)$  is  
=  $(9.9)$  positive  $(9.9)$ 

(3) 
$$(7-5)^2$$
 Remumble  
=  $(2)^2$  PEMDAS!  
=  $(4)$ 

$$(5) - (5-1)^2$$
 negative  
=  $-(4)^2$  not inside  
=  $-(4.4)$  base is  $(5-1)^2$ 

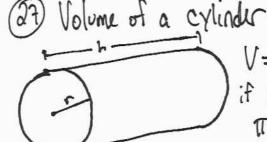
$$\begin{array}{c} (23) \ 2 \ m^3 w^2 \ (-2)^2 \\ = 2(0)(4) \\ = 0 \end{array}$$

(23) 
$$2m^3w^2$$
 if  $m=0$ ,  $w=-2$  (25)  $2x^2-3x+4$  if  $x=-3$ 

$$=2(0)^3(-2)^2$$

$$=2(0)(4)$$

$$=(31)$$



 $V = \pi(2)^{2}(3)$ 

V=TT(4)(3)

V = 37.68

$$V = \pi r^{2} h$$

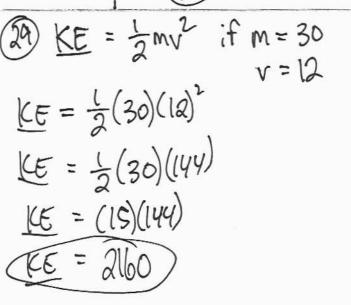
$$rearrange 3.14$$

$$V = \pi r^{2} h$$

$$rearrange 3.14$$

$$rearrange 4.14$$

$$r$$



$$(\# 31-35: \alpha=3, b=4, c=-1)$$
(# 31-35:  $\alpha=3, b=4, c=-1)$ 
(# 31)  $\alpha \cdot b \cdot b \cdot c$ 
(# 31)  $\alpha \cdot b \cdot b \cdot c$ 
(# 33)  $a \cdot b \cdot b \cdot c$ 
(9)  $a \cdot b \cdot b \cdot c$ 

$$\begin{array}{c} 35 & b \cdot c \cdot a \cdot a \\ = 4 \cdot (-1) \cdot (3) \cdot (3) \\ = (-36) \end{array}$$