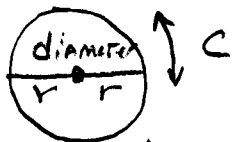


PRE-ALGEBRA - STUDY GUIDE  
FOR APRIL 30 UNIT EXAM

SEE WORKSHEETS ON WEB AT  
[WWW.LEARNINGCOMMUNITY202.ORG/HERITAGEGR](http://WWW.LEARNINGCOMMUNITY202.ORG/HERITAGEGR)

- PERMUTATIONS / FACTORIALS - \* (SEE April 7 PERMUTATION WORKSHEET)  
! = FACTORIAL SYMBOL,  $3! = 3 \cdot 2 \cdot 1$ , NUMBER OF PERMUTATIONS (WAYS TO ARRANGE) 9 BOOKS ON SHELF =  $9!$
- CIRCLE PROPERTIES - \* (SEE April 9 CIRCLE WORKSHEET)  
Circumference, \* (SEE April 14 AREA & CIRCUMFERENCE WORKSHEET)  
DIAMETER, AREA, RADIUS  $\frac{C}{d} = \pi$   $a = \pi r^2$   $d = 2r$   
AREA OF SQUARE - THE AREA OF THE "INSCRIBED CIRCLE."



- INTEGERS AND ABSOLUTE VALUE  
\* (SEE April 15 ABSOLUTE VALUE WORKSHEET)  
DISTANCE FROM ZERO,  
ABSOLUTE VALUE SYMBOL  $|x|$
- MEASURES OF CENTRAL TENDENCY  
\* (SEE April 21, MEAN / MEDIAN / MODE WORKSHEET)  
MEAN, MEDIAN, MODE
- PATTERNS & SEQUENCES  
\*\* (SEE April 23/24 PATTERNS WORKSHEETS (2))  
ARITHMETIC AND GEOMETRIC SEQUENCES  
"ADD" "MULTIPLY"  
COMMON DIFFERENCE COMMON RATIO