



**New Jersey Assessment of Skills and Knowledge  
2007 Grade 6  
MATHEMATICS REFERENCE SHEET**


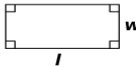

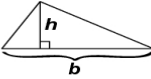
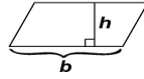
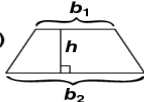
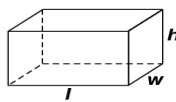
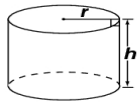
Use the information below to answer questions on the Mathematics section of the  
2007 Grade Six Assessment of Skills and Knowledge (NJ ASK 6).

The sum of the measures of the interior angles of a triangle =  $180^\circ$

Distance = rate  $\times$  time

Simple Interest Formula:  $A = p + prt$

$A$  = amount after  $t$  years;  $p$  = principal;  $r$  = annual interest rate;  $t$  = number of years

$\pi \approx 3.14$ or $\frac{22}{7}$	<b>Square</b> Area = $s^2$ Perimeter = $4s$ 	<b>Rectangle</b> Area = $lw$ Perimeter = $2l + 2w$ 
<b>Circle</b> Area = $\pi r^2$ Circumference = $2\pi r$ = $\pi d$ 	<b>Triangle</b> Area = $\frac{1}{2}bh$ 	<b>Parallelogram</b> Area = $bh$ 
<b>Trapezoid</b> Area = $\frac{1}{2}h(b_1 + b_2)$ 	<b>Rectangular Prism</b> Volume = $lwh$ Surface Area = $2lw + 2wh + 2lh$ 	<b>Cylinder</b> Volume = $\pi r^2 h$ Surface Area = $2\pi rh + 2\pi r^2$ 

USE THE FOLLOWING EQUIVALENTS FOR YOUR CALCULATIONS

60 seconds = 1 minute 60 minutes = 1 hour 24 hours = 1 day 7 days = 1 week 12 months = 1 year 365 days = 1 year	12 inches = 1 foot 3 feet = 1 yard 36 inches = 1 yard 5,280 feet = 1 mile 1,760 yards = 1 mile  10 millimeters = 1 centimeter 100 centimeters = 1 meter 10 decimeters = 1 meter 1000 meters = 1 kilometer
8 fluid ounces = 1 cup 2 cups = 1 pint 2 pints = 1 quart 4 quarts = 1 gallon  1000 milliliters (mL) = 1 liter (L)	16 ounces = 1 pound 2,000 pounds = 1 ton  1000 milligrams = 1 gram 100 centigrams = 1 gram 10 grams = 1 dekagram 1000 grams = 1 kilogram