

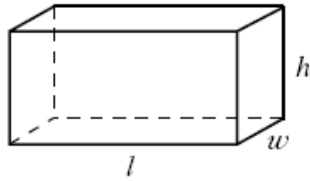
High School Formula Sheet

Use the information below as needed to answer questions on the mathematics portion of the assessment.

Volume:

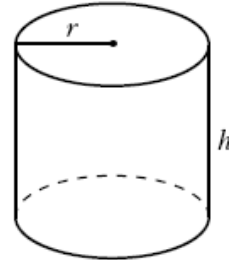
Rectangular Prism

$$V = lwh$$



Cylinder

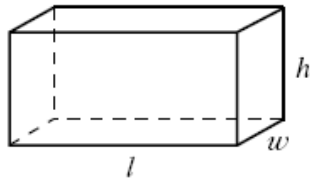
$$V = \pi r^2 h$$



Surface Area:

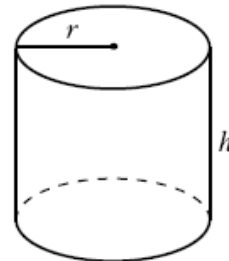
Rectangular Prism

$$SA = 2lw + 2lh + 2wh$$



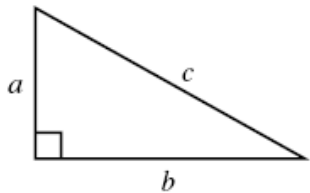
Cylinder

$$SA = 2\pi r^2 + 2\pi rh$$



Pythagorean Theorem

$$a^2 + b^2 = c^2$$



Percent:

Simple Interest:

$$I = Prt$$

Compound Interest:

$$A = P\left(1 + \frac{r}{n}\right)^n$$

where:

A = Total Amount

P = Principal

r = annual interest rate

n = number of compounding
periods per year

t = number of years