

# ISAT MATHEMATICS REFERENCE SHEET

## Grades 7 and 8

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### FORMULAS FOR PLANE FIGURES

Parallelogram:  $A = bh$

Trapezoid:  $A = \frac{1}{2}(b_1 + b_2)h$

Triangle:  $A = \frac{1}{2}bh$

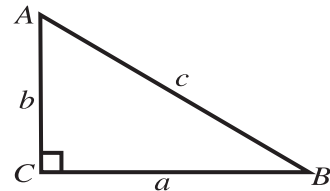
Circle:  $C = 2\pi r$  or  $C = \pi d$

$$A = \pi r^2$$

Right Triangle:

The Pythagorean Theorem

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



### FORMULAS FOR SOLID FIGURES

Prism:  $V = Bh$  ( $B$  is the area of the base.)

Right Cylinder:  $V = \pi r^2 h$

Regular Pyramid:  $V = \frac{1}{3}Bh$  ( $B$  is the area of the base.)

# PEARSON

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Printed by the authority of the State of Illinois, 082409, 465628, IL00003618.

516794

1 2 3 4 5 A B C D E



IL00003618

Printed in the USA

ISD8570