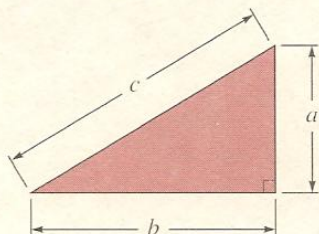


RIGHT TRIANGLE

Pythagorean theorem

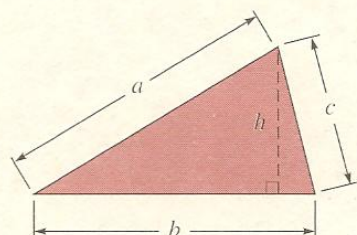
$$a^2 + b^2 = c^2$$



TRIANGLE

Perimeter

$$P = a + b + c$$



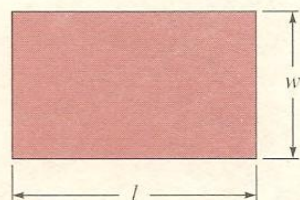
Area

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

RECTANGLE

Perimeter

$$P = 2l + 2w$$



Area

$$A = lw$$

SQUARE

Perimeter

$$P = 4s$$



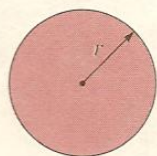
Area

$$A = s^2$$

CIRCLE

Perimeter

$$P = 2\pi r$$



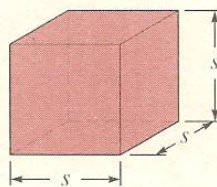
Area

$$A = \pi r^2$$

CUBE

Surface area

$$S = 6s^2$$



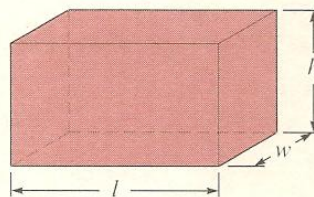
Volume

$$V = s^3$$

RECTANGULAR SOLID

Surface area

$$S = 2wh + 2lh + 2lw$$



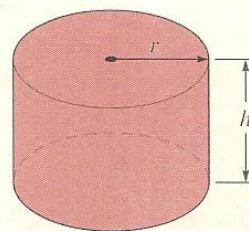
Volume

$$V = lwh$$

CYLINDER

Surface area

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



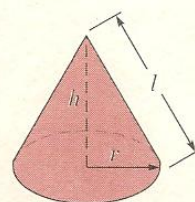
Volume

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

CONE

Surface area

$$S = \pi rl + \pi r^2$$



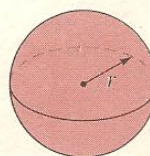
Volume

$$V = \frac{1}{3}\pi r^2 h$$

SPHERE

Surface area

$$S = 4\pi r^2$$



Volume

$$V = \frac{4}{3}\pi r^3$$