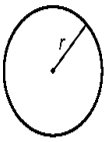
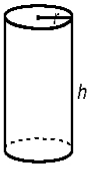
Elementary Algebra
Applied Math I
Reference Sheet

Circle



Area = πr^2
Circumference = $2\pi r$
Circumference = πd

Cylinder

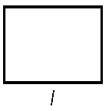


Volume = $\pi r^2 h$
Surface Area = $2\pi r^2 + 2\pi rh$

Sphere

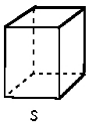
Volume = $\frac{4}{3}\pi r^3$
Surface Area = $4\pi r^2$

Rectangle



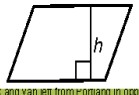
Area = lw
Perimeter = $2l + 2w$

Cube



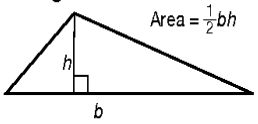
Volume = s^3
Surface Area = $6s^2$

Parallelogram



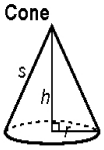
Area = bh

Triangle



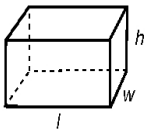
Area = $\frac{1}{2}bh$

Cone



Volume = $\frac{1}{3}\pi r^2 h$
Surface Area = $\pi r^2 + \pi rs$

Rectangular Prism



Volume = lwh
Surface Area = $2wl + 2lh + 2wh$

Formulas