

Measurement

Conversion Factors

Imperial to Imperial	Metric to Metric	Imperial to Metric	Metric to Imperial
1 ft = 12 in	1 cm = 10 mm	1 in = 2.54 cm	1 cm = 0.3937 in
1 yd = 3 ft	1 cm = 0.01 m	1 ft = 0.3048 m	1 m = 3.2808 ft
1 yd = 36 in	1 m = 1000 mm	1 yd = 0.9144 m	1 m = 1.0936 yds
1 mi = 5280 ft	1 m = 100 cm	1 mi = 1.6093 km	1 km = 0.6214 mi
1 mi = 1760 yds	1 km = 1000 m		

Linear Relations

Slope Formula



\$	
Standard Form	Point Slope Form
Ax + By = C	$(y-y_1) = m(x-x_1)$
Slope X-Intercept y = m(x-a)	y-intercept = b (0,b) x -intercept = a
	y = f(x)
	s Standard Form Ax + By = C Slope X-Intercept y = m(x - a)



Trigonometry



www.sturgeoncomp.ca

kmh2018.08

10C

Exponents



2D Shapes



Perimter = 4l

Rectangle l l Area = lw

> Trapezoid a

Area = $\left(\frac{a+b}{2}\right)h$

h



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

Rhombus



Perimeter = 4b

Area = bh

Parallelogram

Perimter = 2l + 2w



Area = bhPerimeter = 2b + 2s

3D Objects 🗘

Rectangular Prism



Cube



 $Volume = l^{3}$ $TSA = 6l^{2}$ $LSA = 4l^{2}$

l Volume = lwh TSA = 2lw + 2lh + 2wh LSA = 2lh + 2wh





 $Volume = \pi r^{2}h$ $TSA = 2\pi r^{2} + 2\pi rh$ $LSA = 2\pi rh$









Virtually Enhanced With A U G M E N T



www.sturgeoncomp.ca