*Math 8 FINAL EXAM*

Formula Sheet

**Pythagorean Theorem**

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

**Areas**

Rectangle A = l x w

Triangle A = b x h ÷ 2

Circle A = π x r2

**Volume**

Rectangular Prism V = l x w x h

Triangular Prism V = b x h x l ÷ 2

Cylinder V = π x r2 x h

**Surface Area**

Rectangular Prism SA = 2 x l x w + 2 x w x h + 2 x l x h

Triangular Prism SA = sum of the areas of the 3 rectangular faces + areas of 2 triangular faces

Cylinder SA = 2 x π x r2 + 2 x π x r x h