**A Portfolio of Formulas**

**Sketch Shape Formula Explanation**

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Rectangular Prism

**Volume** is the space inside a rectangular prism

LWH = V

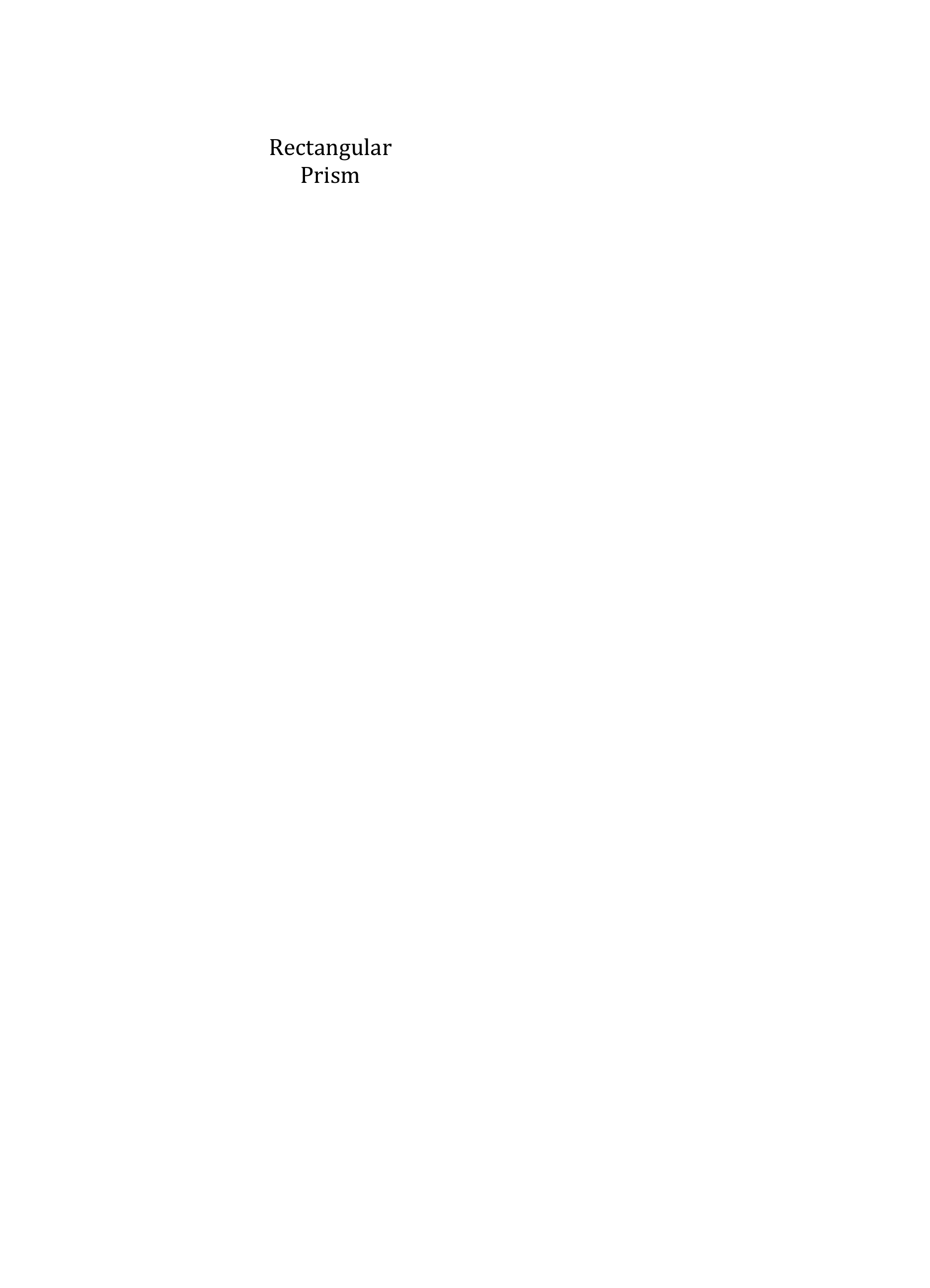
2(LH+LW=WH) = SA

**Surface Area** is the area of all the sides of a rectangular prism

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**Area** is the space inside a rectangle

BH = A

Rectangle Prism

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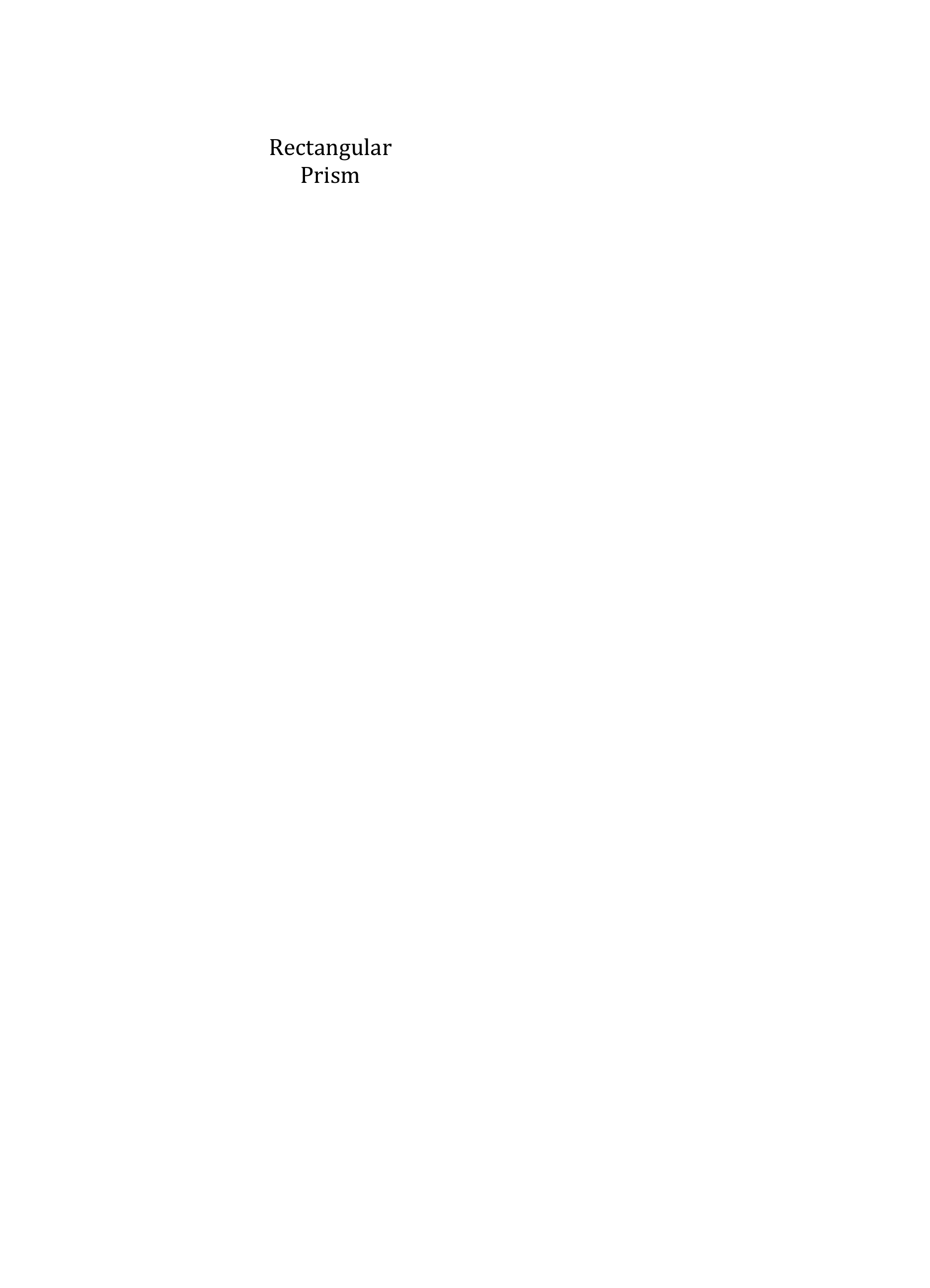
**Perimeter** is the space around a rectangle

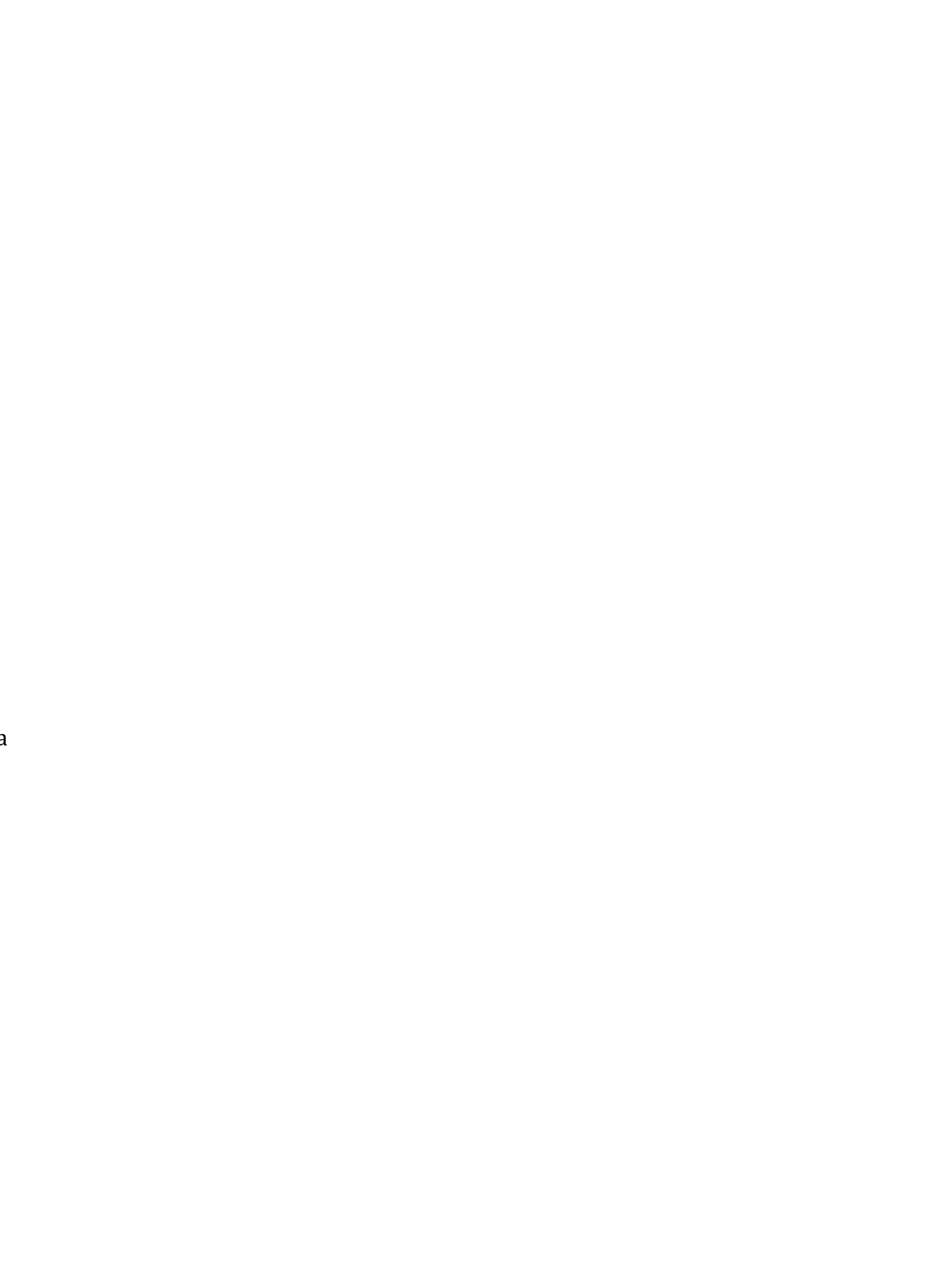
2B + 2H = P

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**The Pythagorean Theorem**: for all right triangles, the shortest side squared, plus the next shortest sided squared will equal the lonest side squared

a2 + b2 = c2

Right TrianglePrism

c

b

a