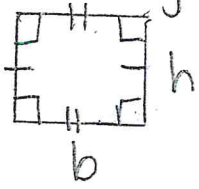
Area Formulas

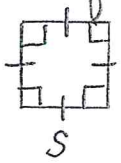
A. Parallelograms $A = b \cdot h$ base is perpendicular to height

rectangle



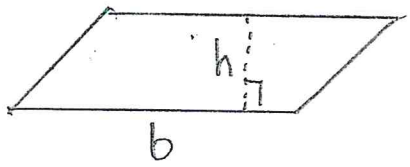
$A = bh$

square



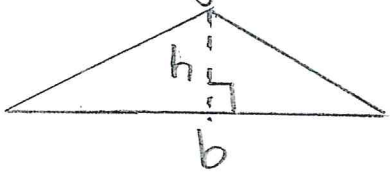
$A = s^2$

parallelogram



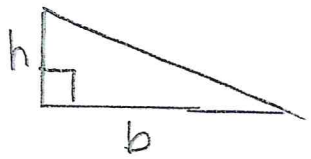
$A = b \cdot h$

B. Triangles $A = \frac{1}{2}bh$ base is perpendicular to height



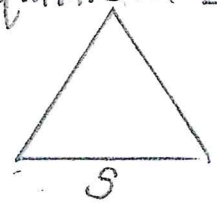
$A = \frac{1}{2}bh$

right △



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

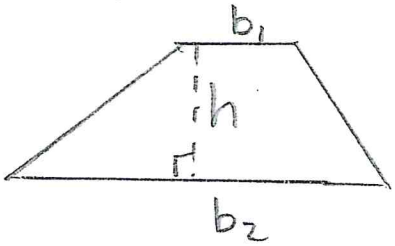
equilateral △



$A = \frac{s^2\sqrt{3}}{4}$

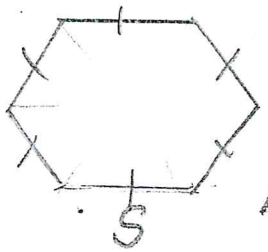
C. Trapezoid

$A = \frac{1}{2}(b_1 + b_2)h$



D. Regular Hexagon

$A = 6 \cdot \frac{s^2\sqrt{3}}{4}$



or

$A = \frac{3s^2\sqrt{3}}{2}$

E. Rhombus & Kite $A = \frac{1}{2}d_1 \cdot d_2$