1 | **Triple Scalar Product**

$$\vec{A} \cdot \vec{B} \times \vec{C} = \vec{C} \cdot \vec{A} \times \vec{B} = \vec{B} \cdot \vec{C} \times \vec{A}$$

(no parens needed, because you cannot take the dot product and then the cross product, because the cross product needs two vector inputs)

By.. area of parallelepipeds

$\vec{A} \times \vec{B}$ is the area of a parallelogram.