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Solution: Consider the three vectors; with A vertical. Note triangle obd is perpendicular to A.  $od = ABD \times (\theta) = A (\theta)BD + \sin(\theta)$   $3 ob = AB \times \theta = A B \sin(\theta)$   $1 bd = AD \times \theta = A B \sin(\theta)$   $2$  Also, these three cross products all lie in the plane obd since they are all perpendicular to A. As noted the magnitude of each cross product is proportional to the length of each side of the triangle.

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