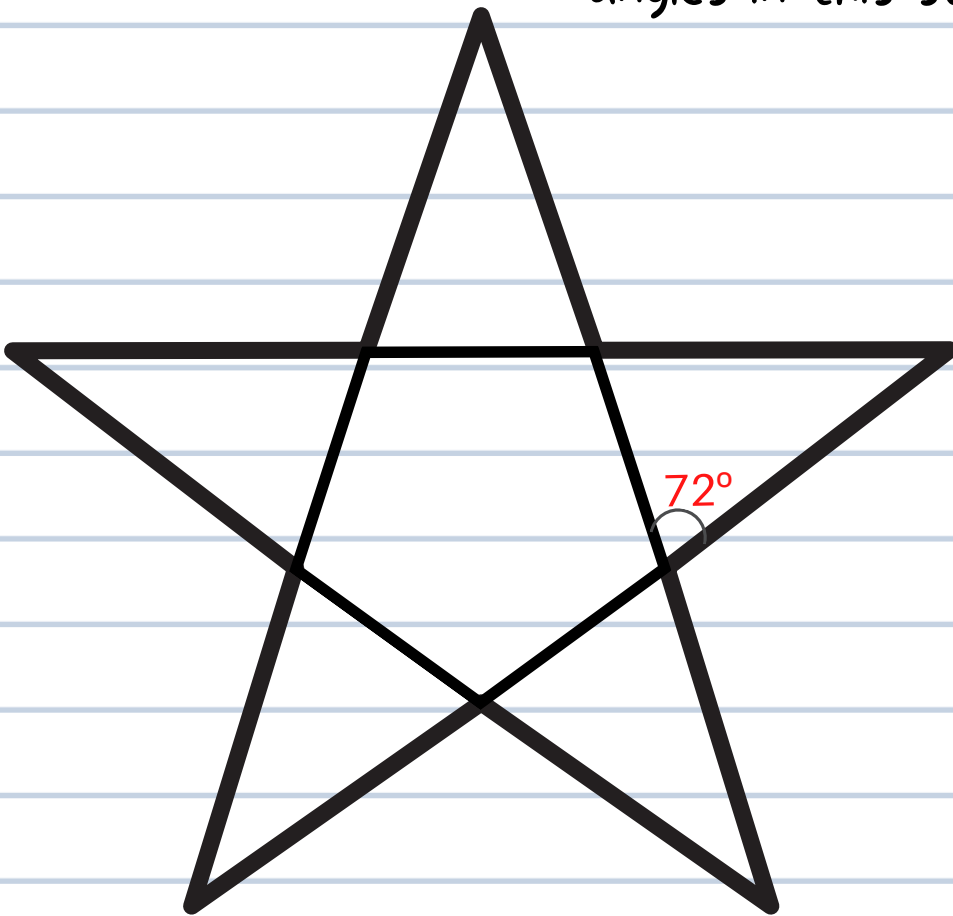


## Brain Teaser #5

### Math Riddle - Starry Math

Below is a 5-pointed star with a regular pentagon superimposed in the center of the star. Given just one angle, can you find ALL the angles in this star?



Hint #1: two angles forming a straight line add to  $180^\circ$ .

Hint #2: a regular pentagon has congruent sides and angles.

Hint #3: the sum of the angles of a triangle add to  $180^\circ$ .