What's Going On?

Checking In

Minds on   One Last Thing

Action!   The Big Ideas

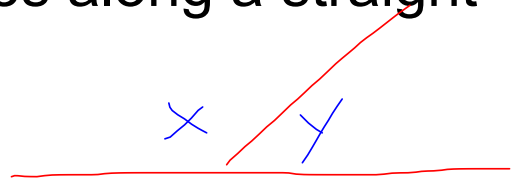**Consolidation**   Practice Questions

Learning Goal - I will review my Geometric Relationships!

Action!

The Big Ideas

SAT The sum of the angles along a straight
line is 180 degrees.

$$x + y = 180$$

IAT The sum of the interior angles (**S**) in
ANY polygon is **S = 180(n-2)** where **n** is
the number of sides.

EAT

The sum of the exterior angles in ANY
polygon is 360 degrees.

Action!

The Big Ideas

$S = 180(n - 2) \rightarrow$ IAT

Given n

① Subtract 2 from n.
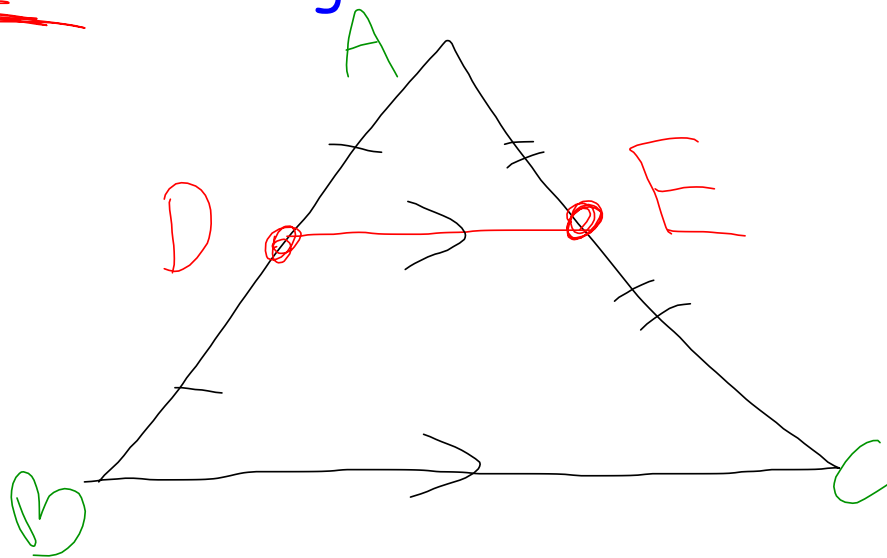
② Multiply by 180

you get sum of angles

Given S

① Divide S by 180

② Add 2!

you get # sides
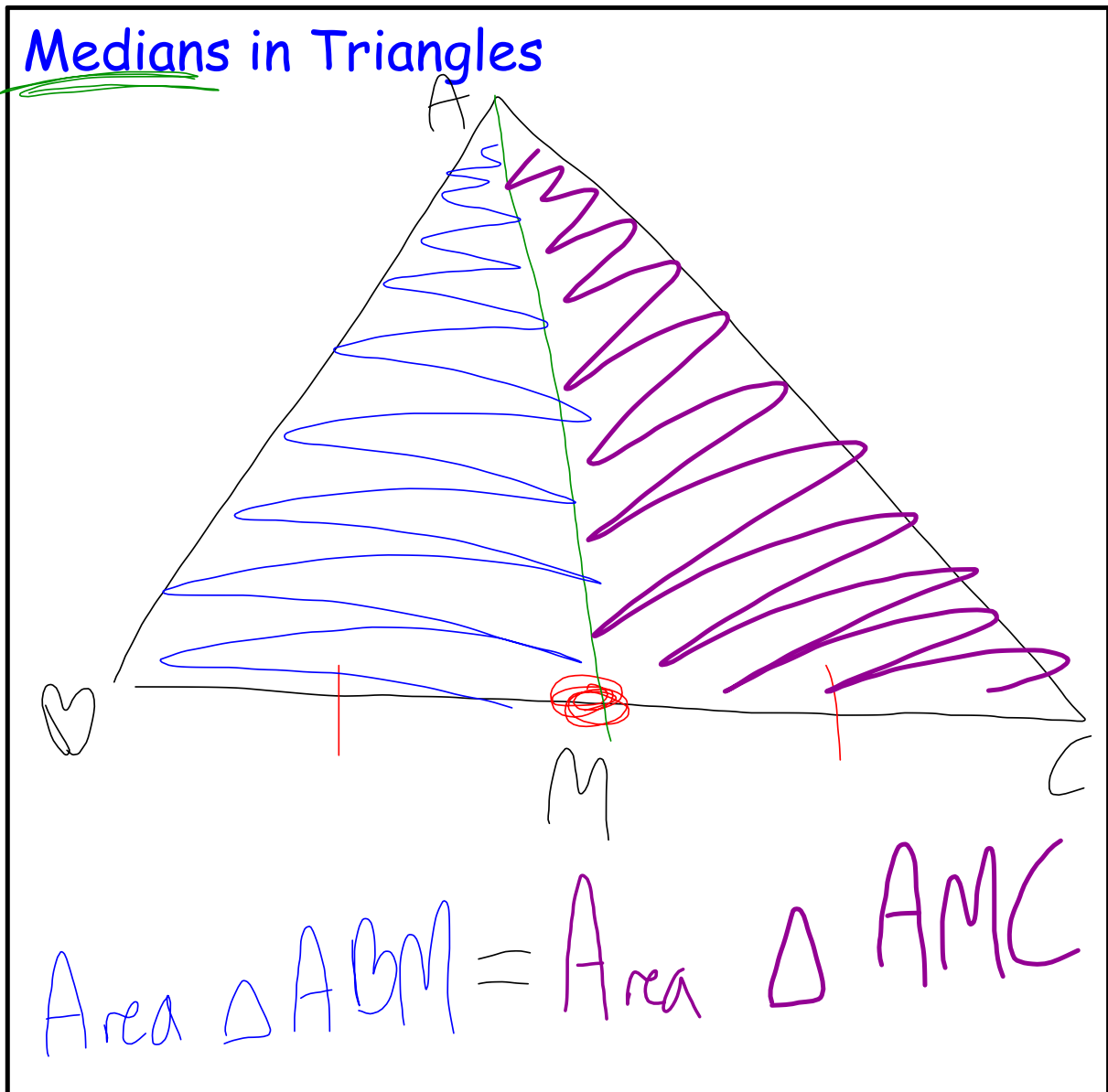
Action!

The Big Ideas

Midpoints in Triangles

$$DE = \frac{1}{2} BC$$

$$DE // BC$$

$$\text{Area } \triangle ABC = 4 \times \text{Area } \triangle ADE$$

Action!
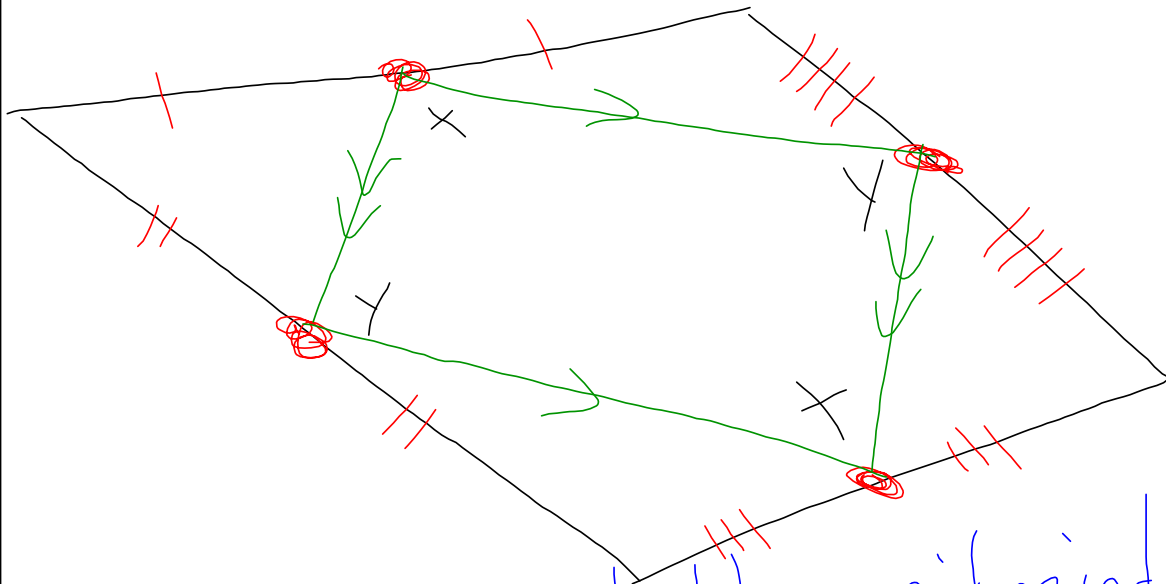
The Big Ideas

Medians in Triangles

Area △ ABM = Area △ AMC
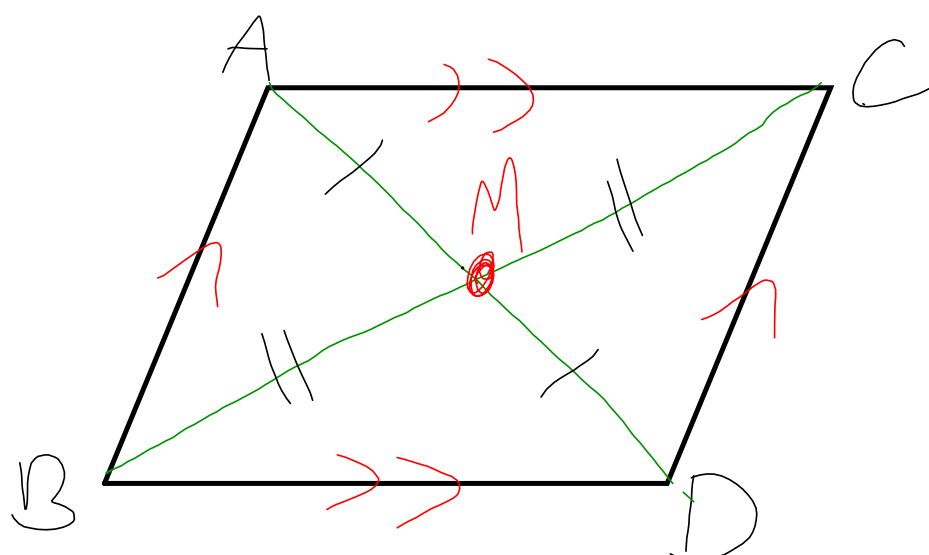
Action!

The Big Ideas

Midpoints in Quadrilaterals

If we connect the midpoints of a quadrilateral, we get a parallelogram.

Action!

The Big Ideas

Diagonals in Quadrilaterals

$$AM = MD \qquad BM = MC$$

Consolidation

Practice Questions