

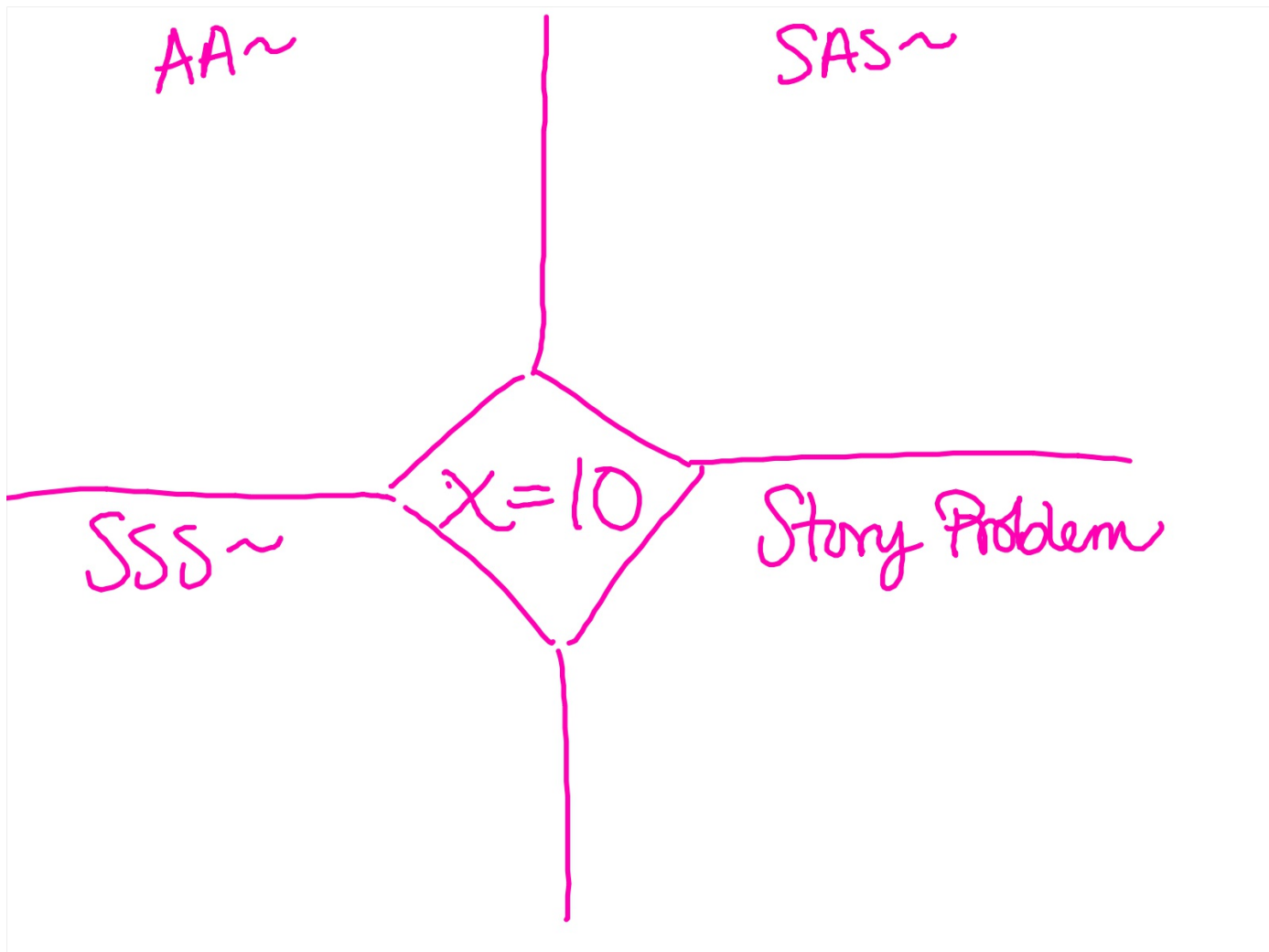
AA~

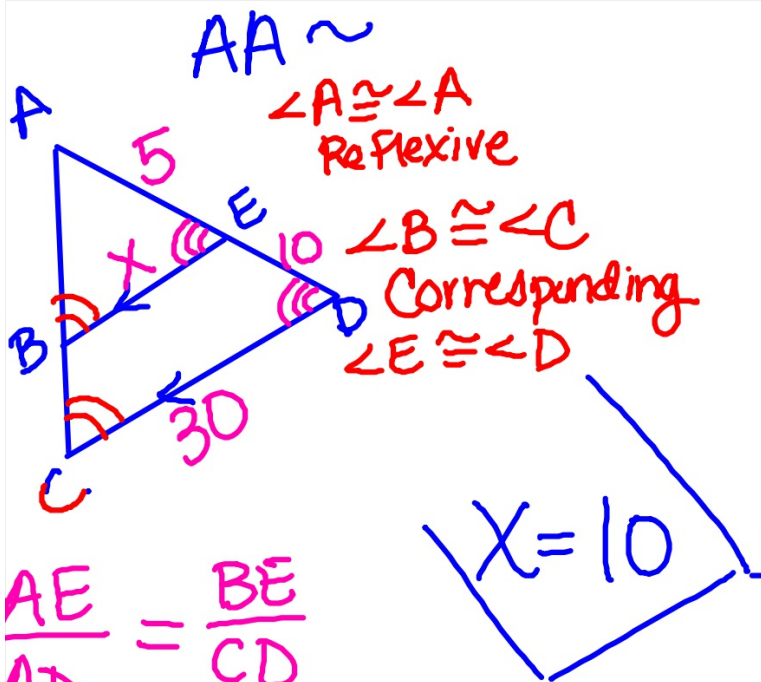
SAS~

SSS~

$X=10$

Story Problem





AA ~

$\angle A \cong \angle A$
Reflexive

$\angle B \cong \angle C$
Corresponding
 $\angle E \cong \angle D$

$$X = 10$$

$$\frac{AE}{AD} = \frac{BE}{CD}$$

$$\frac{5}{15} = \frac{X}{30}$$

$$5(30) = 15X$$

$$150 = 15X$$

$$10 = X$$

AA ~

SAS ~

SSS ~

Story Problem