Geometry Unit 3: Misc bank of slides

Bronx Early College Academy

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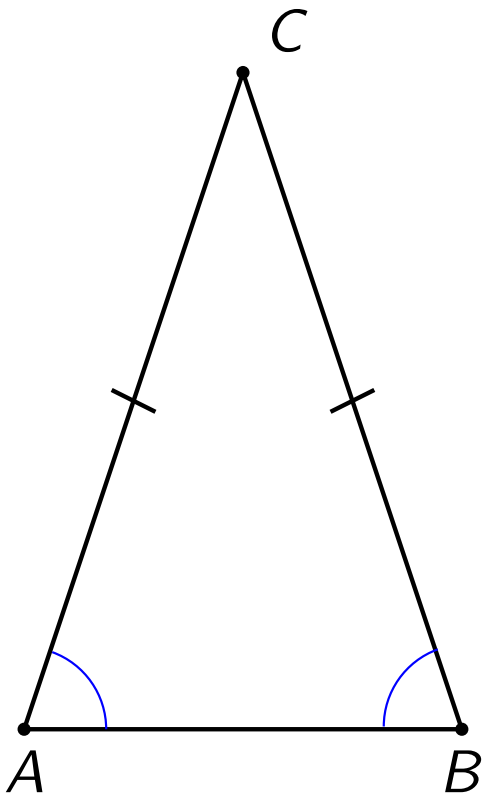
Isosceles triangles

The isosceles base angle theorem.

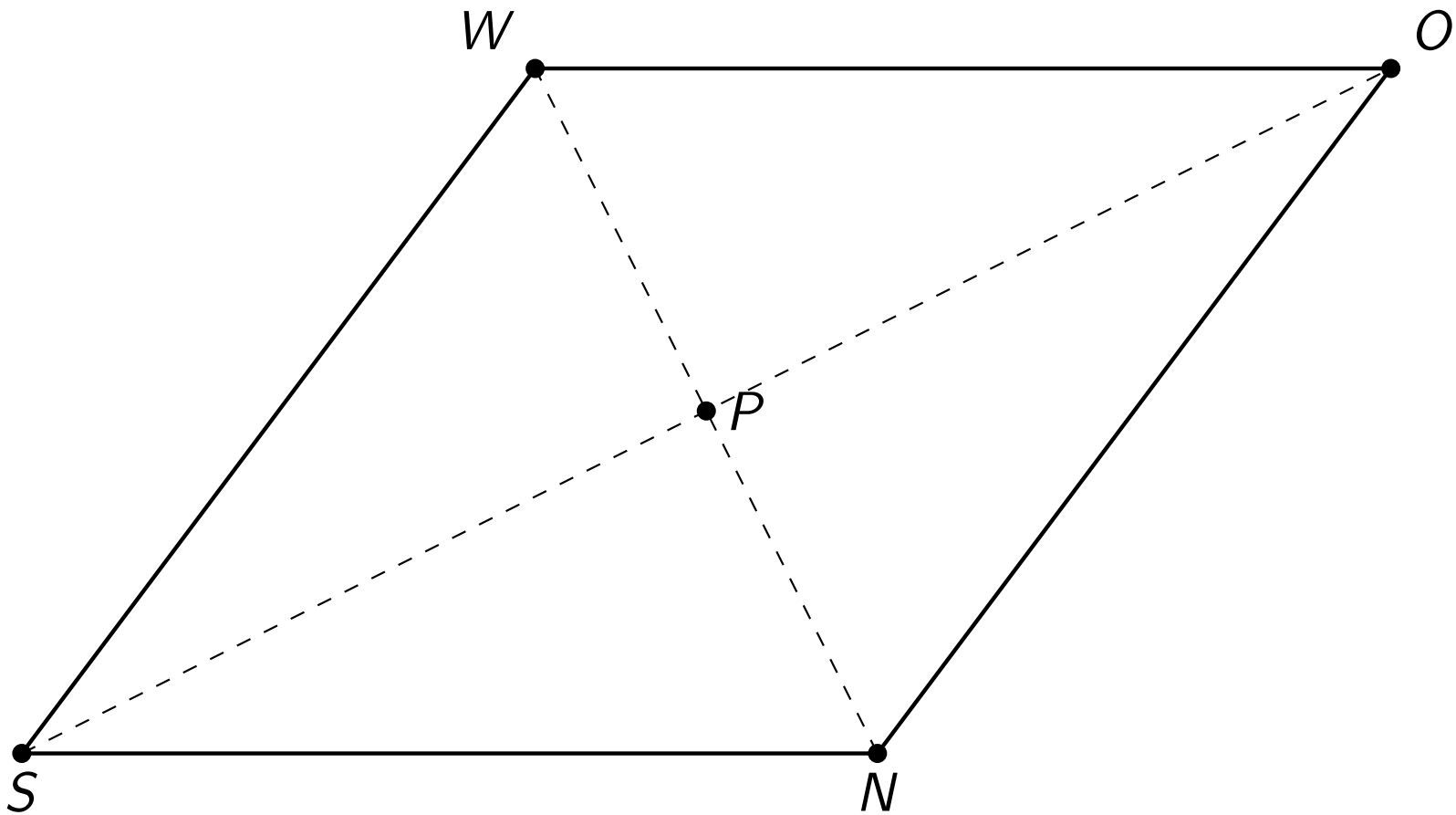
Given $\triangle ABC$. $\overline{AC} \cong \overline{BC}$ *iff* $\angle A \cong \angle B$.



The two congruent angles are the *base* angles. The third angle is the *vertex* angle.

Features of parallelograms (and rhombuses)

Parallelogram $SNOW$ with $S(2,1), N(7,1), O(10,5), W(5,5)$



"SOH-CAH-TOA" trigonometric ratios

Write in your notebook: Trig ratios, "SOH-CAH-TOA"

1. sine, SOH: $\sin x = \dfrac{\text{opposite}}{\text{hypotenuse}}$
2. cosine, CAH: $\cos x = \dfrac{\text{adjacent}}{\text{hypotenuse}}$
3. tangent, TOA: $\tan x = \dfrac{\text{opposite}}{\text{adjacent}}$

template

words