

1 Find $m\angle A$.

94°

A) 70°
B) 77°
C) 80°
D) 83°
E) 86°

4 Find $m\angle J$.

M

A) $x = 9$
B) $x = 14$
C) $x = 16$
D) $x = 12$
E) $x = 10$

Katy
Bruno
Lebron
Andrew
Nicki Minaj

7 Find $m\angle B$.

85°

$(4x + 28)^\circ$

A) 62°
B) 65°
C) 67°
D) 70°
E) 72°

10 Find $m\widehat{XW}$.

64°

$(21x - 33)^\circ$

$(14x + 3)^\circ$

A) 112°
B) 118°
C) 114°
D) 107°
E) 110°

to get attention
to inspire people
to get on the news
to make people laugh
to make new friends

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INSCRIBED ANGLES

MATH LIB ACTIVITY

Created by: ALL THINGS ALGEBRA

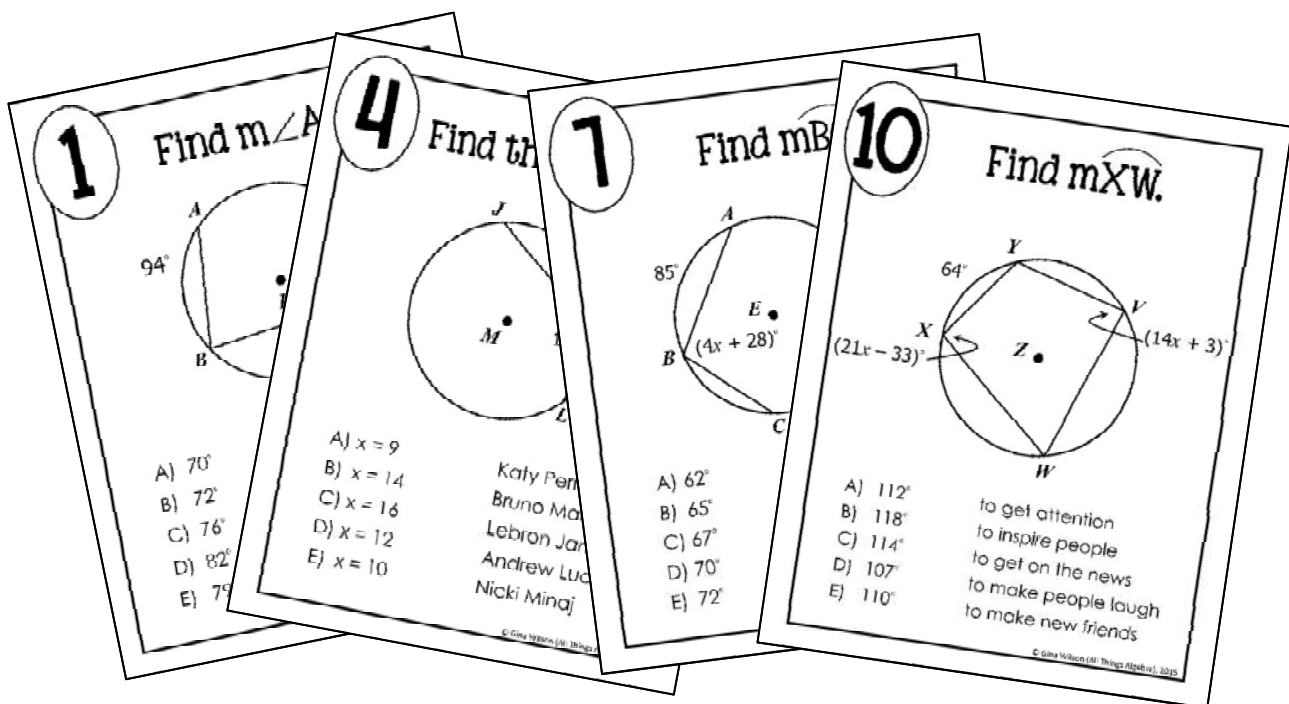
INSCRIBED ANGLES

Math Lib!

Objective: To practice solving problems with inscribed angles in circles. This includes finding the inscribed angle measure, intercepted arc measure, inscribed angles that intercept a diameter, inscribed angles that share an arc, and inscribed quadrilaterals. Many problems require the students to solve a multi-step equation.

Activity Directions: Print and post the ten stations around the room. Give each student the worksheet to record their work as they travel to the stations. Group students (I typically do groups of 3) and assign to a starting problem. Set the timer for 3:30 minutes (more if needed). Students solve the problem at the station, then look for their answer and record the piece to the story. When the timer goes off, they move to the next station.

You are able to edit each slide to change the teacher name and all story elements to personalize for your students. PowerPoint is required to edit the slides. They enjoy seeing which one of their teachers is the "star" of the story!



10 Stations & Student Worksheet Included
You can change ALL story elements!