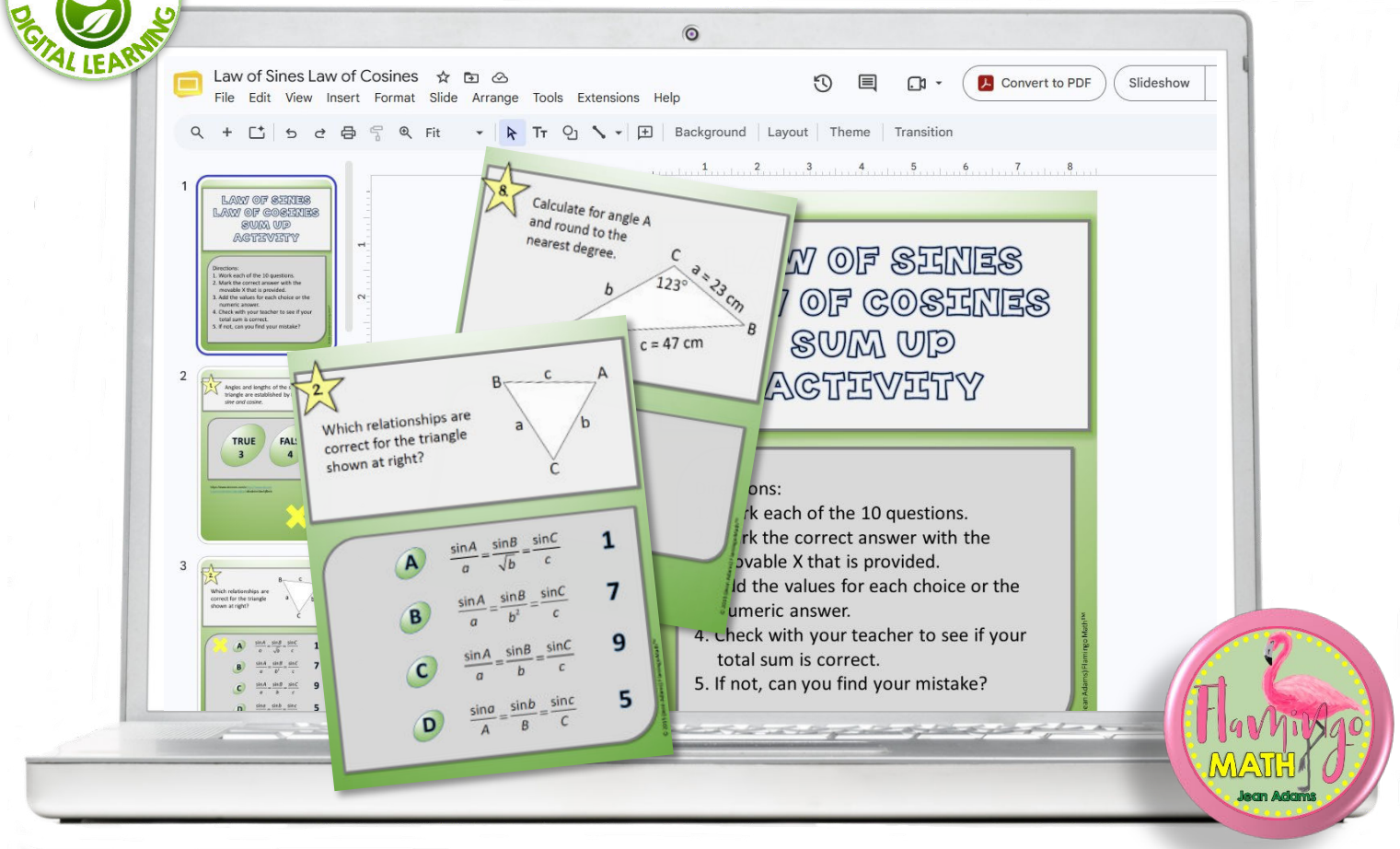
Law of Sines
Law of Cosines



Digital and Print



Law of Sines
Law of Cosines
with Google Slides

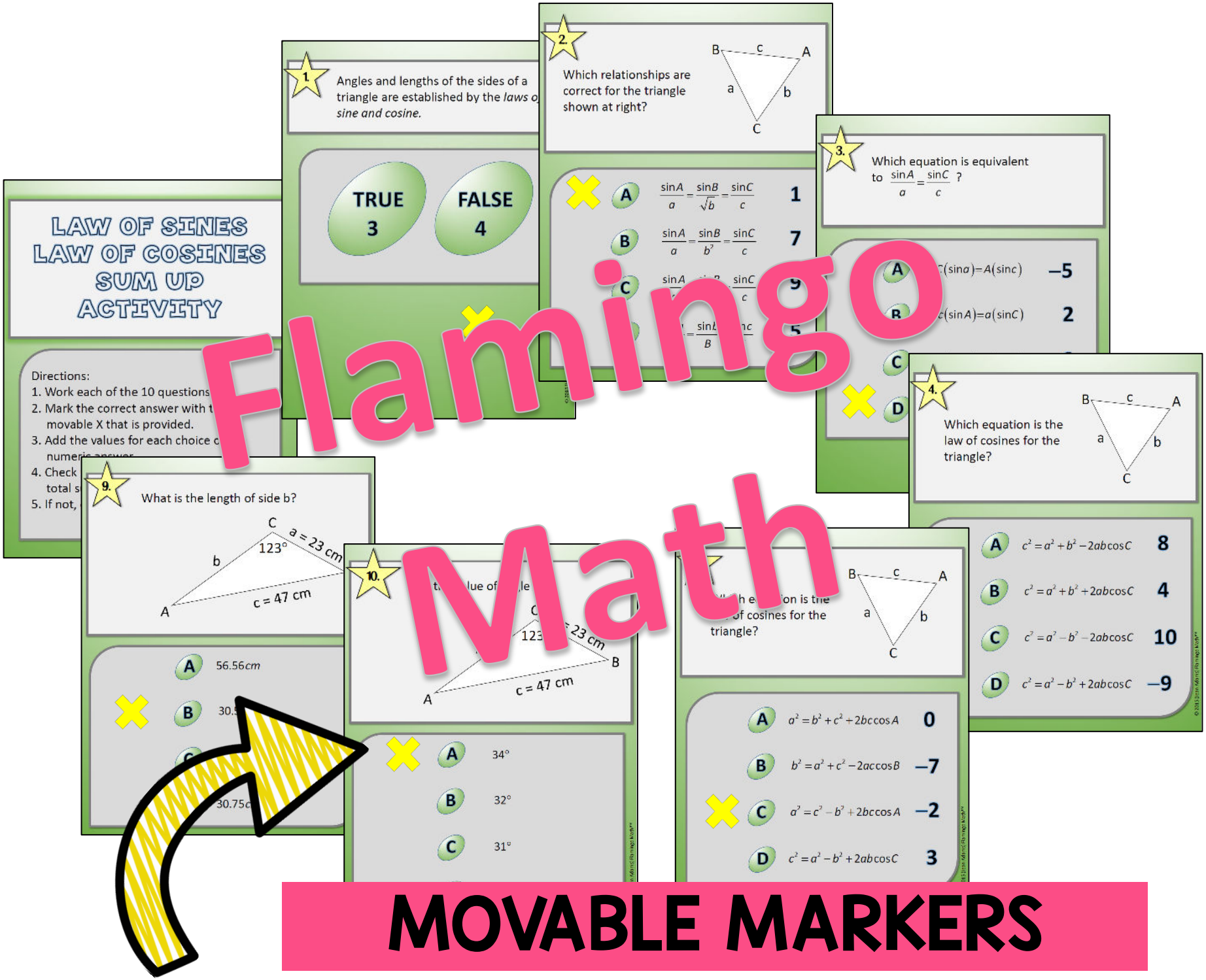
Your Precalculus students will have 10 Google Slides to cover the topics of Law of Sines and Law of Cosines.

Law of Sines & Law of Cosines Sum-up

This is a DIGITAL ACTIVITY for students enrolled in Precalculus or Trigonometry. The lesson includes 10 GOOGLE SLIDES each containing a single question related to Law of Sines and Law of Cosines. Students interact with the slides on their one-to-one devices to answer each prompt. There is a variety with true false, multiple choice and free response. Students check the sum with the teacher to verify their answer choices are correct. A separate cut and paste activity is also included.

***NOTE: YOU AND YOUR STUDENTS MUST HAVE ACCESS TO THE INTERNET TO BEGIN TO INTERACT WITH THE LESSON! THIS FILE IS NOT EDITABLE.**

Flamingo MATH
Jean Adams


LAW OF SINES
LAW OF COSINES
SUM UP
ACTIVITY
Directions:
1. Work each of the 10 questions
2. Mark the correct answer with t
movable X that is provided.
3. Add the values for each choice c
4. Check
total s
5. If not,
TRUE
3
FALSE
4
1.
Angles and lengths of the sides of a triangle are established by the laws o
sine and cosine.
2.
Which relationships are correct for the triangle shown at right?
B
C
A
a
b
C
A
$\frac{\sin A}{a}=\frac{\sin B}{\sqrt{b}}=\frac{\sin C}{c}$
1
B
$\frac{\sin A}{a}=\frac{\sin B}{b^2}=\frac{\sin C}{c}$
7
3.
Which equation is equivalent to $\frac{\sin A}{a}=\frac{\sin C}{c}$?
A
$C(\sin a)=A(\sin c)$
−5
B
$c(\sin A)=a(\sin C)$
2
C
D
4.
Which equation is the law of cosines for the triangle?
B
C
A
a
b
C
A
$c^2=a^2+b^2-2ab\cos C$
8
B
$c^2=a^2+b^2+2ab\cos C$
4
C
$c^2=a^2-b^2-2ab\cos C$
10
D
$c^2=a^2-b^2+2ab\cos C$
−9
9.
What is the length of side b?
C
a = 23 cm
123°
b
A
c = 47 cm
A
56.56cm
B
30.5
30.75c
10.
lue of le
C
23 cm
123
B
A
c = 47 cm
A
34°
B
32°
C
31°
on is the
of cosines for the
triangle?
B
C
A
a
b
C
A
$a^2=b^2+c^2+2bc\cos A$
0
B
$b^2=a^2+c^2-2ac\cos B$
−7
C
$a^2=c^2-b^2+2bc\cos A$
−2
D
$c^2=a^2-b^2+2ab\cos C$
3
Flamingo
Math
MOVABLE MARKERS