

Law of Cosines:

Name: _____

- In $\triangle ABC$ with sides a, b, c and angles A, B, C :

Standard (side) Form

Alternate (angle) Form

$$a^2 =$$

$$\cos (A) =$$

$$b^2 =$$

$$\cos (B) =$$

$$c^2 =$$

$$\cos (C) =$$

- In $\triangle ABC$ with sides a, b, c and angles A, B, C :

Area =

$$s =$$

s is one-half the perimeter of the triangle

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