Double Angle Formulas

More _____ to aid in evaluating _____ _____.

Sine Double Angle Formula:

There are _____ formulas for _____.

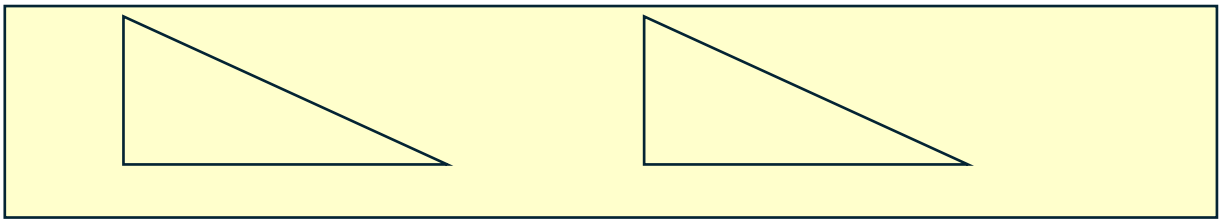
While they all _____ work, one may work _____ than others based on _____

Cosine Double Angle Formulas:

ex. Given _____ and that _____, find the _____ value of:

♦

Common Right Triangles



♦

Do: using given info above, find _____ using _____ double angle formula.

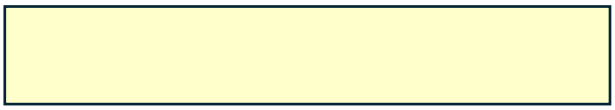
ex. Verify the identity _____.

ex. Verify the identity _____.

Rationalizing with Binomial Radicals

To _____ when _____ contains a _____ with

one or more _____, use a _____.



ex.

ex. Rationalize _____.

Tangent Double Angle Formula

Although _____ has its own _____ formula, its easier to use:

Revisit example above where _____ and _____.

Then _____