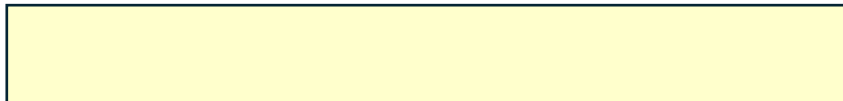


**Double Angle Formulas**

More \_\_\_\_\_ to aid in evaluating \_\_\_\_\_.

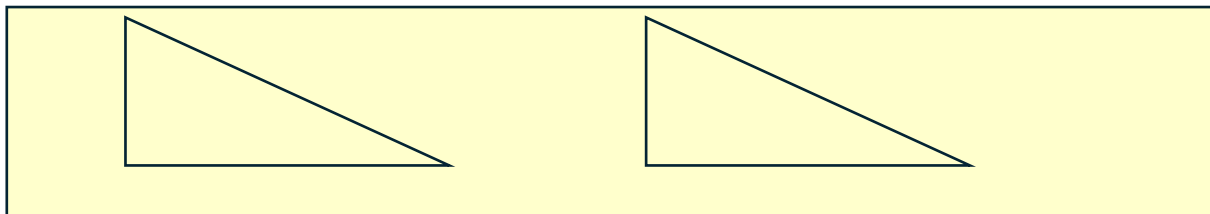
**Sine Double Angle Formula:**

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**



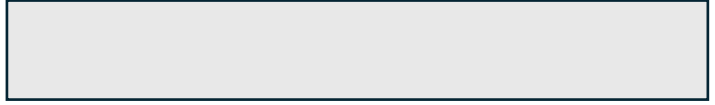
Do: using given info above, find \_\_\_\_\_ using \_\_\_\_\_ double angle formula.

A large empty rectangular box with a thin black border, intended for the student to write their answer to the first problem.

ex. Verify the identity \_\_\_\_\_.

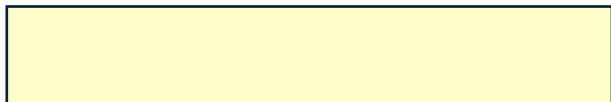
A large empty rectangular box with a thin black border, intended for the student to write their answer to the second problem.

ex. Verify the identity \_\_\_\_\_.



**Rationalizing with Binomial Radicals**

To \_\_\_\_\_ when \_\_\_\_\_ contains a \_\_\_\_\_ with one or more \_\_\_\_\_, use a \_\_\_\_\_.

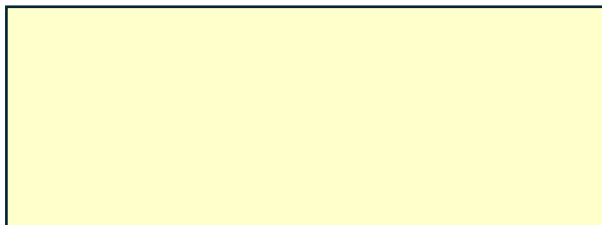


ex.

ex. Rationalize \_\_\_\_\_.

**Tangent Double Angle Formula**

Although \_\_\_\_\_ has its own \_\_\_\_\_ formula, its easier to use:



Revisit example above where \_\_\_\_\_ and \_\_\_\_\_.

Then \_\_\_\_\_