Solving Right Triangles   For the Teacher
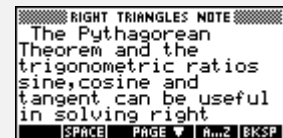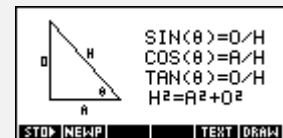
Objectives:

Using the **RIGHT TRIANGLES** aplet, the student will solve right triangles by using the Pythagorean Theorem and the trigonometric ratios sine, cosine, and tangent.

Functionality:

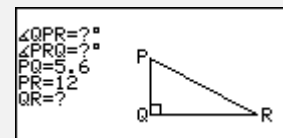When the student presses **START**, the **RIGHT TRIANGLES NOTE** will be displayed.

After reading the note, the student should view the **SKETCH** .

VIEWS allows the student to select a new problem, to solve a problem, or to view the sketch.

New Triangle will display ΔPQR with three measures defined. Each new problem randomly generates the given pieces of information as well as the given measurements. Note: ∠Q is always the right angle.

Solve takes the student to the **RIGHT TRIANGLES SYMBOLIC VIEW** where the student checks the appropriate equation to be used.
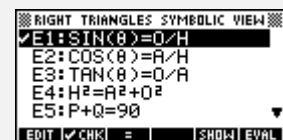
When the equation is checked, press **NUM** to see the **RIGHT TRIANGLES NUMERIC VIEW**. Enter the given information in the numeric view. Highlight the unknown, and press **SOLVE** . To return to the symbolic view, press **SYMB** . To view the problem, select **View Sketch** from the views menu.
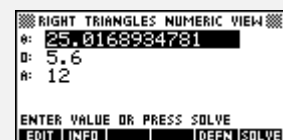
Programs associated with this aplet:
.RTR.TR, .RTR.SO, .RTR.SE, .RTR.ST, .RTR.SV