

**Objectives:**

Using the **ANGLES** applet, the student will solve for the missing angle given a pair of complementary angles, a pair of supplementary angles, or a triangle.

**Functionality:**

When the student presses **START**, the **ANGLES NOTE** will be displayed. After reading the note, the student should view the **SKETCH** for a visual explanation.

**VIEWS** will allow the student to select a new problem, guess the missing angle, or see the diagram of the problem.

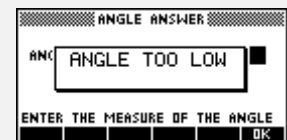
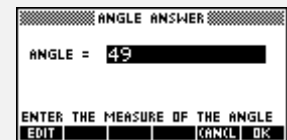
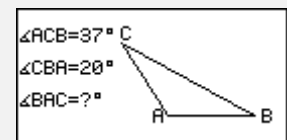
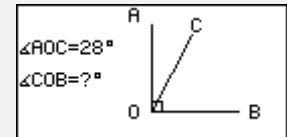
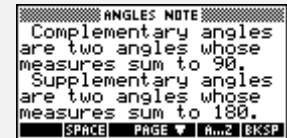
**New Problem** prompts the student to solve a problem involving complementary angles, supplementary angles, or a triangle.

**Complementary** will display a pair of complementary angles  $\angle AOC$  and  $\angle COB$ . The measure of  $\angle AOC$  is randomly generated for each new problem. Use **Guess Angle** from the views menu to enter the measure of  $\angle COB$ . Similarly, **Supplementary** will display a pair of supplementary angles.

Triangle displays  $\triangle ABC$  with the measures of  $\angle ACB$  and  $\angle CBA$  defined. The measures of  $\angle ACB$  and  $\angle CBA$  are randomly generated for each new problem. Use **Guess Angle** to enter the measure of  $\angle BAC$ .

When **Guess Angle** is selected, the student is prompted for the measure of the missing angle.

After the angle measure is entered, a message will be displayed notifying the student that their angle measure is too low or too high. If correct the message displays **GREAT JOB!** If the answer is too low or too high, **View Sketch** will display the current problem for the student to rework.



Programs associated with this applet:

- .ANG.TR, .ANG.CO, .ANG.SA, .ANG.GA, .ANG.SE, .ANG.NP, .ANG.ST, .ANG.SV