

The sine and cosecant are reciprocals, as they should be. You can draw a right triangle with side opposite angle  $Y$  having length 9 and hypotenuse having length 41. Using the Pythagorean Theorem, you will find that the side adjacent to angle  $Y$  is 40. It follows that:  $\cot Y = \frac{a}{o} = \frac{40}{9}$