



← Enter a problem...

$\csc(-450)$

Find an angle that is coterminal to -450 .

Tap for less steps...

Add 360° to -450° .

$$A = -450^\circ + 360^\circ$$

The resulting angle of -90° is coterminal with -450 but isn't positive. Repeat the step.

$$A = -90^\circ$$

Add 360° to -90° .

$$A = -90^\circ + 360^\circ$$

The resulting angle of 270° is positive and coterminal with -450 .

$$A = 270^\circ$$

Find the value using the definition of cosecant.

$$\csc(270) = \frac{\text{hyp}}{\text{opp}}$$

Substitute the values into the definition.

$$\csc(270) = \frac{1}{-1}$$

Divide 1 by -1 to get -1 .

$$-1$$