Sine Ratio Exploration

Use your calculator's **sin** button to calculate the sine ratio value rounded to four decimal places for each of the angles in both lists as shown in the first completed example.

Then draw lines to connect the angles from column 1 to the angles in column 2 that have the same sine ratio value. Record your observations below.

Column 1

$\sin 5° = 0.0872$

$\sin 22°$ = _____

$\sin 15°$ = _____

$\sin 64°$ = _____

$\sin 35°$ = _____

$\sin 80°$ = _____

$\sin 78°$ = _____

$\sin 45°$ = _____

Column 2

$\sin 145° = 0.5736$

$\sin 102°$ = _____

$\sin 116°$ = _____

$\sin 100°$ = _____

$\sin 175°$ = _____

$\sin 165°$ = _____

$\sin 135°$ = _____

$\sin 158°$ = _____

Observations: