

Name : _____

Trigonometric Ratios of Allied Angles

Sheet 1

Find the exact value of each trigonometric ratio.

1) $\cot 585^\circ$

2) $\cos (-870^\circ)$

3) $\tan (-1260^\circ)$

4) $\sec 1230^\circ$

5) $\sin 660^\circ$

6) $\csc (-1125^\circ)$

7) $\cos 945^\circ$

8) $\sec (-750^\circ)$

Name : _____

Answer key

Trigonometric Ratios of Allied Angles

Sheet 1

Find the exact value of each trigonometric ratio.

1) $\cot 585^\circ$

1

2) $\cos (-870^\circ)$

$-\frac{\sqrt{3}}{2}$

3) $\tan (-1260^\circ)$

0

4) $\sec 1230^\circ$

$-\frac{2\sqrt{3}}{3}$

5) $\sin 660^\circ$

$-\frac{\sqrt{3}}{2}$

6) $\csc (-1125^\circ)$

$-\sqrt{2}$

7) $\cos 945^\circ$

$-\frac{\sqrt{2}}{2}$

8) $\sec (-750^\circ)$

$\frac{2\sqrt{3}}{3}$