

## 4.7 Periodicity of Trigonometric Functions

**392.**  $\sin(\alpha \pm 2\pi n) = \sin \alpha$ , period  $2\pi$  or  $360^\circ$ .

**393.**  $\cos(\alpha \pm 2\pi n) = \cos \alpha$ , period  $2\pi$  or  $360^\circ$ .

**394.**  $\tan(\alpha \pm \pi n) = \tan \alpha$ , period  $\pi$  or  $180^\circ$ .

**395.**  $\cot(\alpha \pm \pi n) = \cot \alpha$ , period  $\pi$  or  $180^\circ$ .