

## 4.5 Most Important Formulas

$$383. \quad \sin^2 \alpha + \cos^2 \alpha = 1$$

$$384. \quad \sec^2 \alpha - \tan^2 \alpha = 1$$

$$385. \quad \csc^2 \alpha - \cot^2 \alpha = 1$$

$$386. \quad \tan \alpha = \frac{\sin \alpha}{\cos \alpha}$$

$$387. \quad \cot \alpha = \frac{\cos \alpha}{\sin \alpha}$$

$$388. \quad \tan \alpha \cdot \cot \alpha = 1$$

$$389. \quad \sec \alpha = \frac{1}{\cos \alpha}$$

$$390. \quad \operatorname{cosec} \alpha = \frac{1}{\sin \alpha}$$