

Domain/Range:

$$\sin \theta \quad D: \underline{(-\infty, \infty)} \quad R: \underline{[-1, 1]}$$

$$\cos \theta \quad D: \underline{(-\infty, \infty)} \quad R: \underline{[-1, 1]}$$

$$\csc \theta \quad D: \underline{\mathbb{R} \text{ except } x = \pi n, n \in \mathbb{Z}}$$
$$R: \underline{(-\infty, -1] \cup [1, \infty)}$$

$$\sec \theta \quad D: \underline{\mathbb{R} \text{ except } x = \frac{\pi}{2} + \pi n, n \in \mathbb{Z}}$$
$$R: \underline{(-\infty, -1] \cup [1, \infty)}$$

$$\tan \theta \quad D: \underline{\mathbb{R} \text{ except } x = \frac{\pi}{2} + \pi n, n \in \mathbb{Z}}$$
$$R: \underline{(-\infty, \infty)}$$

$$\cot \theta \quad D: \underline{\mathbb{R} \text{ except } x = \pi n, n \in \mathbb{Z}}$$
$$R: \underline{(-\infty, \infty)}$$