

Warmup 7: Simplify: $\tan(\theta - \pi)$

$$\tan(\theta - \pi) = \frac{\tan\theta - \tan\pi}{1 + \tan\theta \cdot \tan\pi}$$

$$= \frac{\tan\theta - 0}{1 + \tan\theta \cdot 0}$$

$$= \frac{\tan\theta}{1 + 0}$$

$$= \frac{\tan\theta}{1}$$

$$= \boxed{\tan\theta}$$