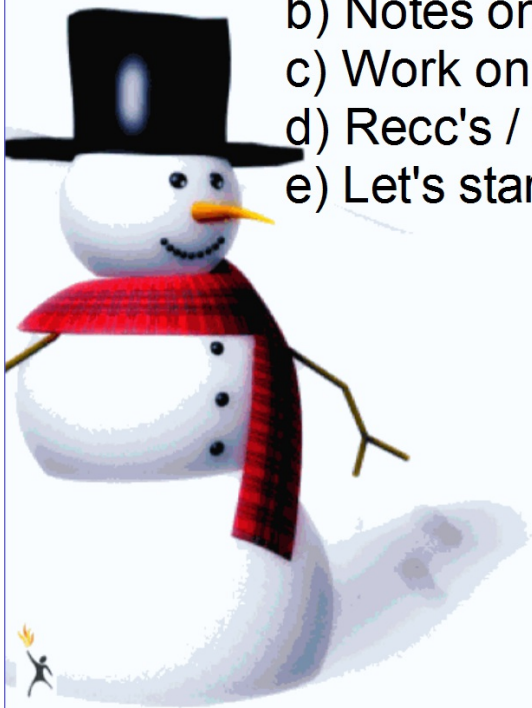


Administrative:

- a) Blogs - email when set up/survey complete
- b) Notes on 6-7 & 6-8 via website over break
- c) Work on test review over break
- d) Recc's / Electives Fair
- e) Let's start to review!





Review Problems

1. Rewrite $\tan\left(\frac{13\pi}{8}\right)$ using a half angle formula.

2. Evaluate: $\cos\left(\theta - \frac{\pi}{2}\right)$

3. Is $\tan\left(\frac{13\pi}{8}\right)$ positive or negative.
Justify your answer in 2 sentences.





1. Rewrite $\tan\left(\frac{13\pi}{8}\right)$ using a half angle formula.

$$\tan\left(\frac{13\pi}{8}\right) = \tan\left(\left(\frac{1}{2}\right)\left(\frac{13\pi}{4}\right)\right)$$





2. Evaluate: $\cos\left(\theta - \frac{\pi}{2}\right)$

$$\begin{aligned} & \cos\theta\cos\left(\frac{\pi}{2}\right) + \sin\theta\sin\left(\frac{\pi}{2}\right) \\ & (\cos\theta)(0) + \sin\theta(1) \\ & \sin\theta \end{aligned}$$



Review

3. Is $\tan\left(\frac{13\pi}{8}\right)$ positive or negative.

Justify your answer in 2 sentences.

$\frac{13\pi}{8}$ is located in Quadrant IV.

$\tan\left(\frac{13\pi}{8}\right)$ is negative since tangent is negative in Quadrant IV.

