

M3

Name key 2017

HW 4 - Evaluating and Intro. to Graphing

Find the exact value of each trigonometric function.

1) $\cos \frac{7\pi}{6}$ $-\frac{\sqrt{3}}{2}$

2) $\sin 150^\circ$ $\frac{1}{2}$

3) $\tan 300^\circ$ $-\sqrt{3}$

4) $\tan \frac{\pi}{4}$ 1

5) $\cos 1050^\circ$ $\frac{\sqrt{3}}{2}$

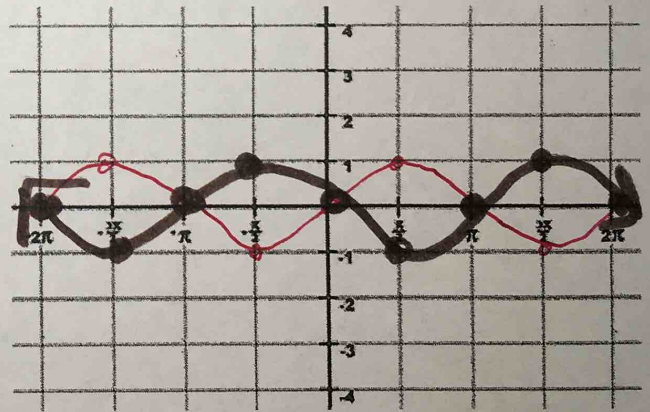
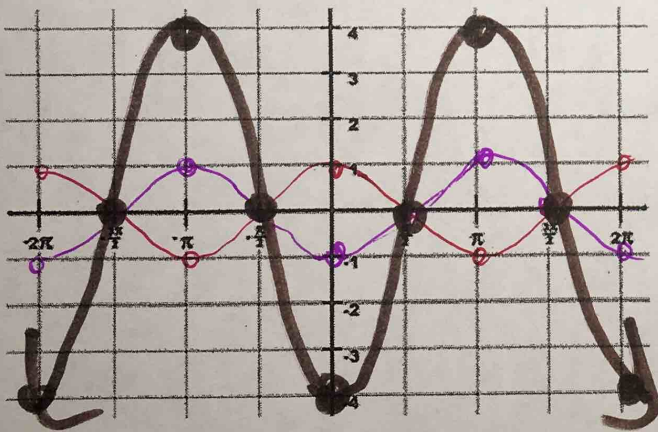
6) $\cos -\frac{3\pi}{2}$ 0

7) $\sin -\frac{13\pi}{3}$ $-\frac{\sqrt{3}}{2}$

8) $\cos \frac{7\pi}{3}$ $\frac{1}{2}$

9. $y = -4\cos \theta$

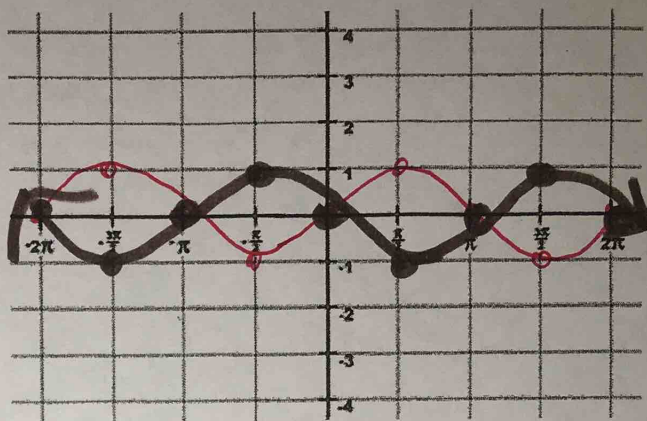
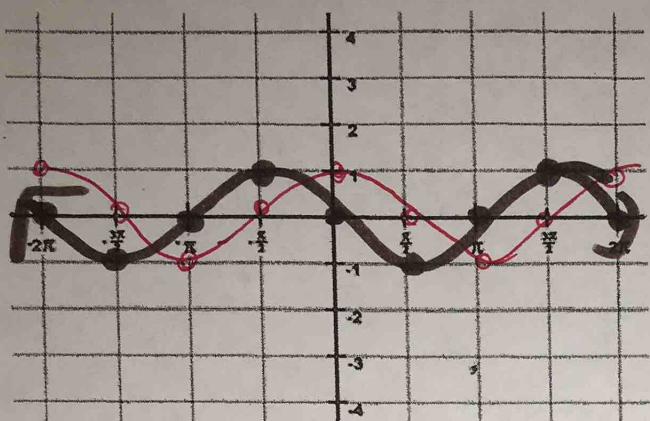
10. $y = \sin(\theta + \pi)$



$\cos \theta$
 $-\cos \theta$
 $-4\cos \theta$

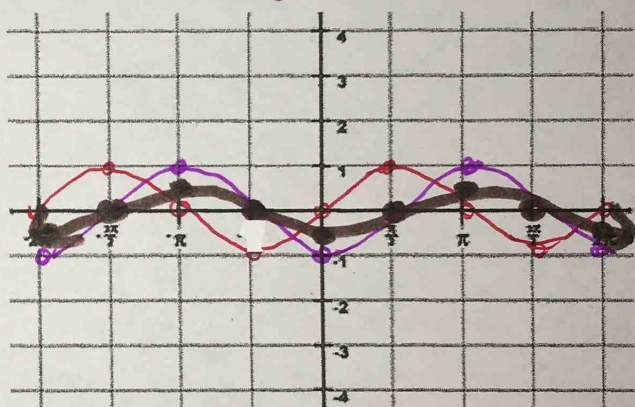
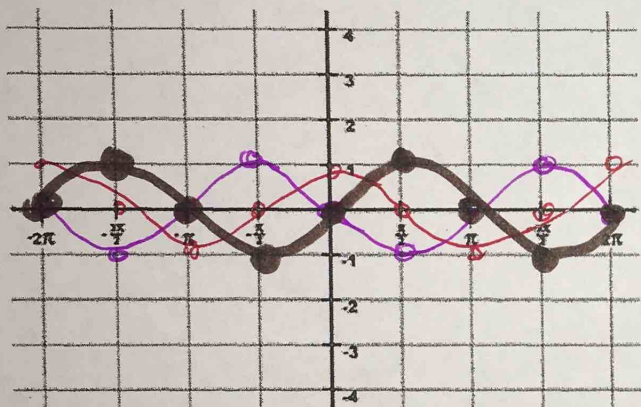
$\sin \theta$
 $\sin(\theta + \pi)$

11. $y = \cos(\theta + \frac{\pi}{2})$ ~~$\cos \theta$~~ ~~$\cos(\theta + \frac{\pi}{2})$~~ 12. $y = \sin(\theta - \pi)$ ~~$\sin \theta$~~ ~~$\sin(\theta - \pi)$~~



13. $y = -\cos(\theta + \frac{\pi}{2})$ ~~$\cos \theta$~~ ~~$\cos(\theta + \frac{\pi}{2})$~~
 ~~$-\cos(\theta + \frac{\pi}{2})$~~

14. $y = \frac{1}{2} \sin(\theta - \frac{\pi}{2})$ ~~$\sin \theta$~~ ~~$\sin(\theta - \frac{\pi}{2})$~~
 ~~$\frac{1}{2} \sin(\theta - \frac{\pi}{2})$~~



~~$\cos \theta$~~
 ~~$\cos(\theta + \frac{3\pi}{2})$~~
 ~~$-\cos(\theta + \frac{3\pi}{2})$~~
 15. $y = -2\cos(\theta + \frac{3\pi}{2})$ ~~$-\cos(\theta + \frac{3\pi}{2})$~~

~~$\sin \theta$~~
 ~~$\sin(\theta + \pi)$~~
 4. $y = 3\sin(\theta + \pi)$ ~~$\sin(\theta + \pi)$~~
 ~~$3\sin(\theta + \pi)$~~

