## Section 4.5 (with a little 4.4) Day 3 Homework

1. Evaluate the following (it may help to draw a picture).

a) $\sin 315°$

b) $\cos(-90°)$

c) $\tan \dfrac{5\pi}{6}$

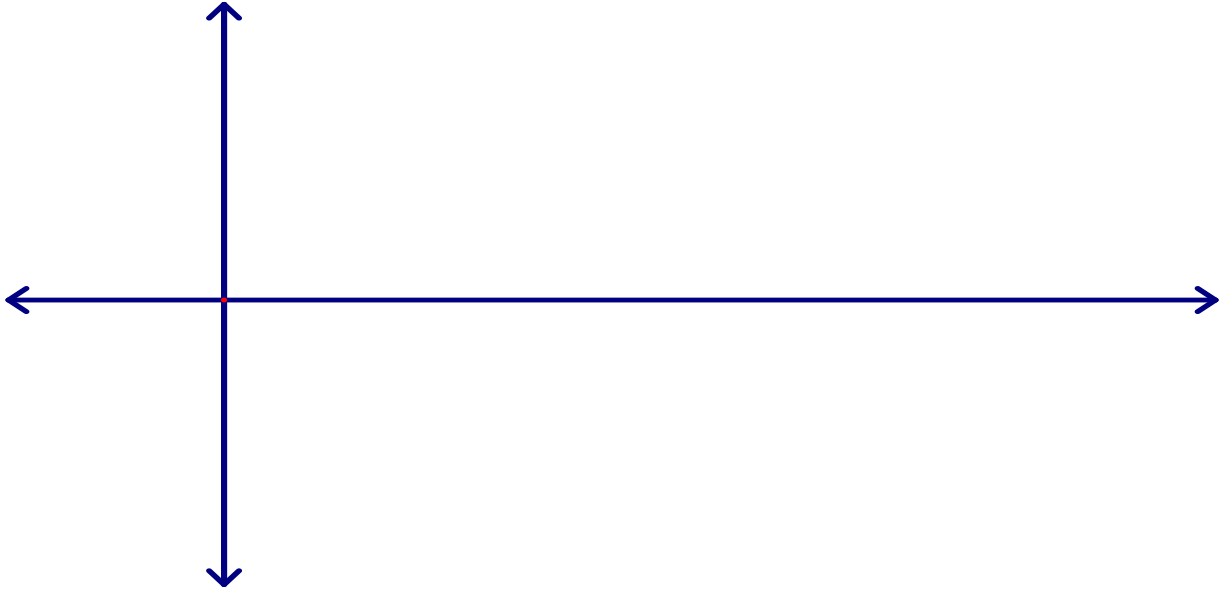2. Evaluate the following (it may help to draw a picture).

a) $\sec \dfrac{-2\pi}{3}$
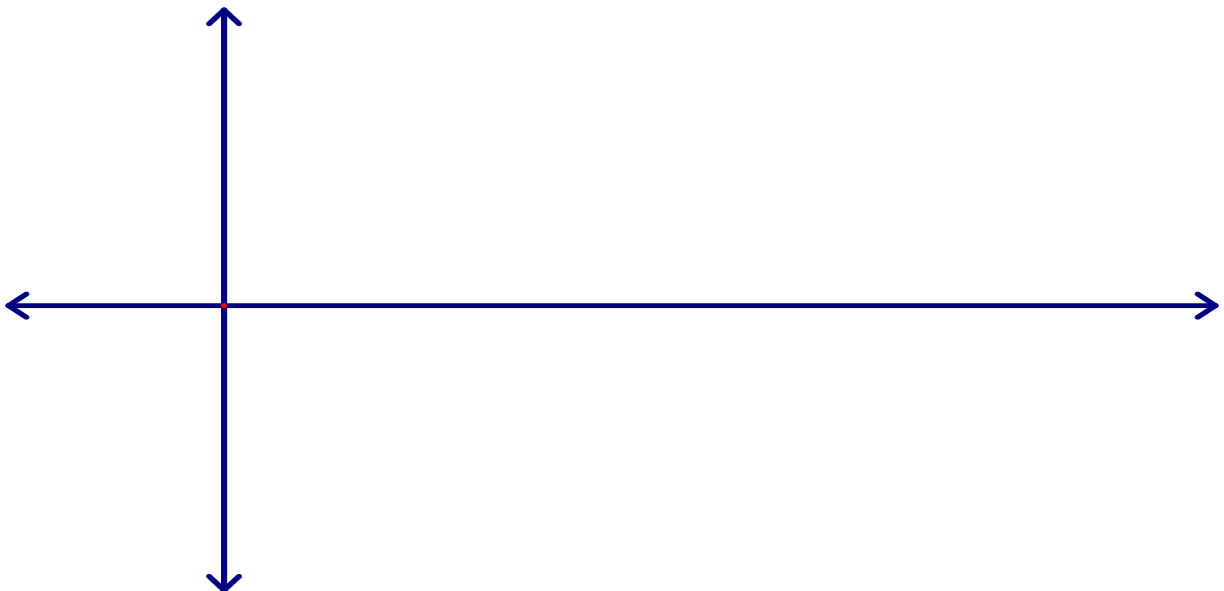
b) $\csc \dfrac{\pi}{4}$

c) $\cot(-210°)$

## Section 4.5 (with a little 4.4) Day 3 Homework

Graph at least one period of the following, or from 0 to $2\pi$

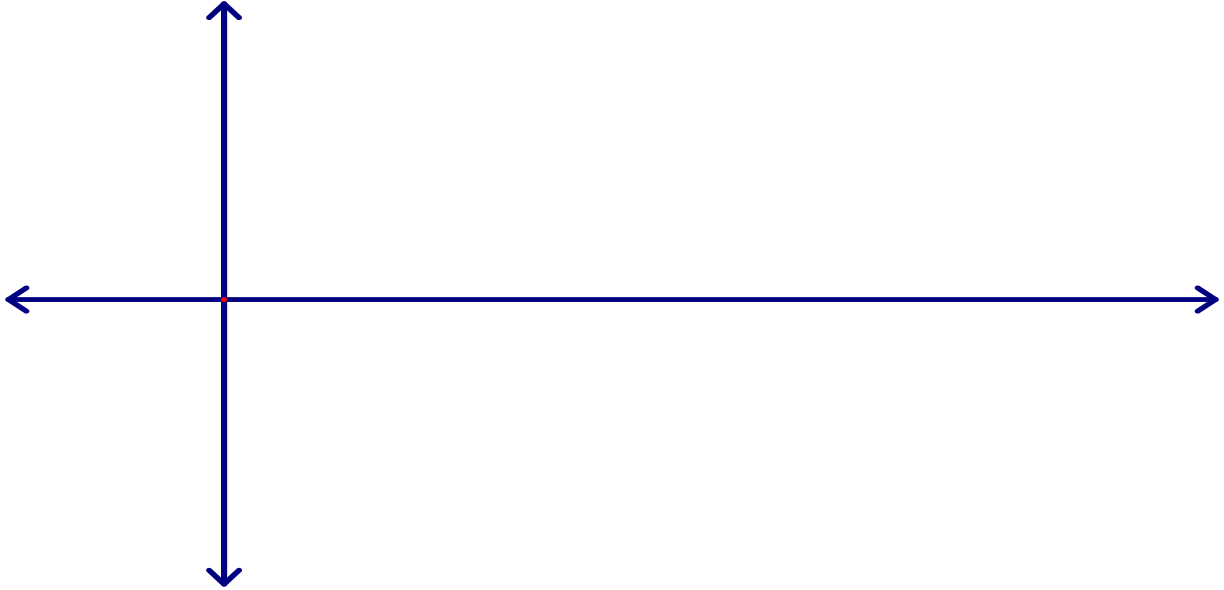3.  $y = \dfrac{1}{2}\sin\left(x + \dfrac{\pi}{2}\right)$
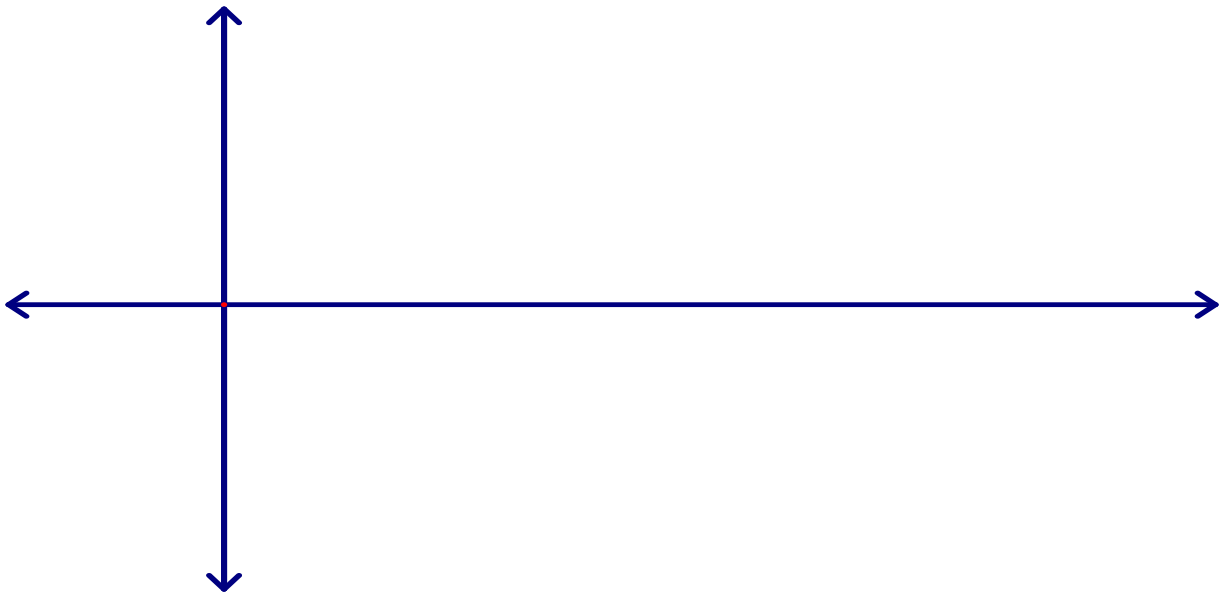
4.  $y = -\cos 3x - 2$

## Section 4.5 (with a little 4.4) Day 3 Homework

Graph at least one period of the following, or from 0 to $2\pi$
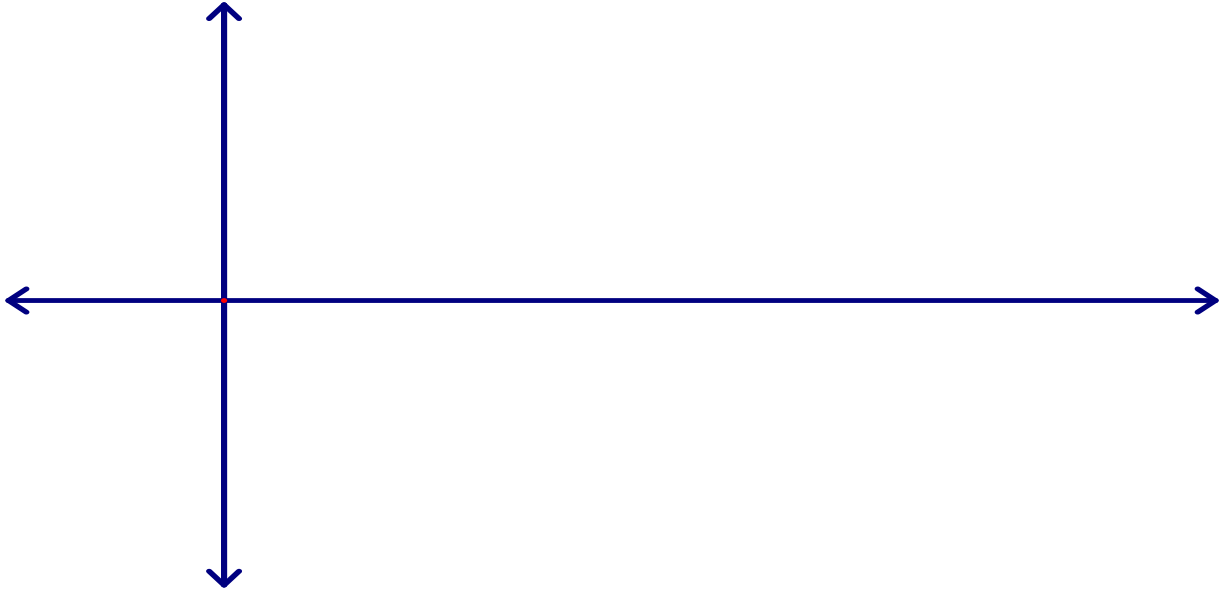
5. $y = -\cos\dfrac{1}{3}x + 2$
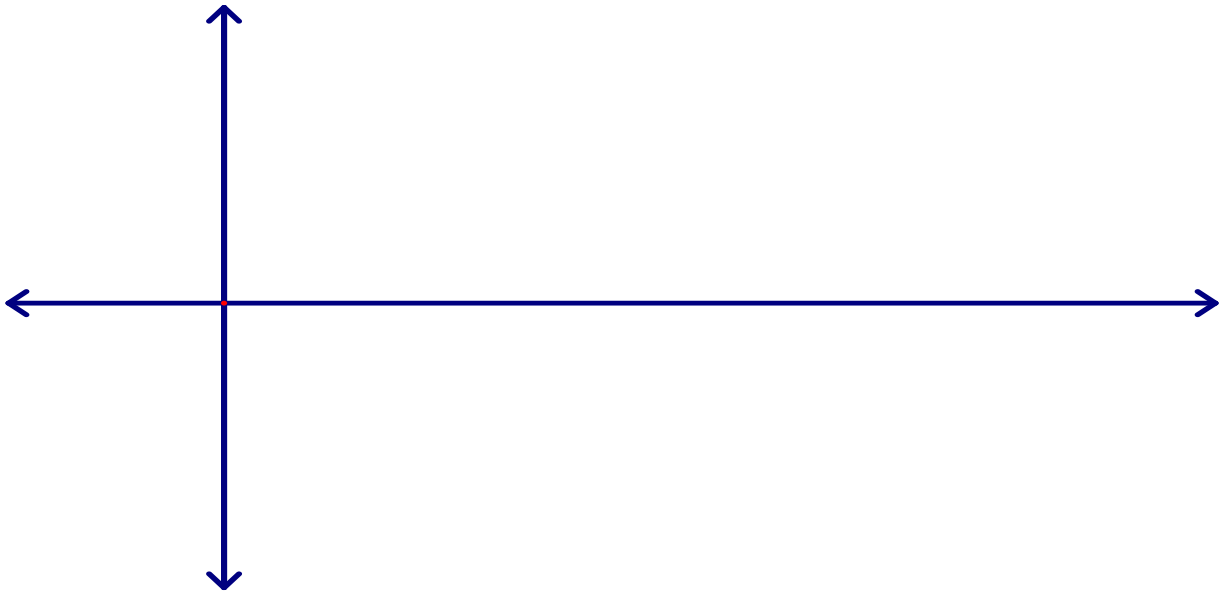


6. $y = -\sin 2x + 3$

## Section 4.5 (with a little 4.4) Day 3 Homework

Graph at least one period of the following, or from 0 to $2\pi$

7. $y = 4\cos\left(x - \dfrac{\pi}{2}\right)$

8. $y = 3\sin x - 2$

**Section 4.5 (with a little 4.4) Day 3 Homework**

9. $y = -\dfrac{1}{2}\cos\left(x + \dfrac{\pi}{3}\right)$