

Station #2: WORK the Unit Circle

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Draw unit circle as fast as you can. Then use the unit circle to answer the following questions.

1) $\sin -\frac{5\pi}{6}$

2) $\sin 300^\circ$

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

4) $\sin 315^\circ$

5) $\cos -135^\circ$

6) $\sin 135^\circ$

7) $\cos 330^\circ$

8) $\cos \pi$

9) $\cos \frac{\pi}{2}$

10) $\cos 120^\circ$

11) $\sin -135^\circ$

12) $\cos 150^\circ$

13) $\cos -150^\circ$

14) $\sin -\frac{2\pi}{3}$

15) $\sin -330^\circ$

16) $\cos -315^\circ$

17) $\cos -\frac{11\pi}{6}$

18) $\cos -120^\circ$

19) $\cos 300^\circ$

20) $\sin -300^\circ$

21) $\cot -\frac{11\pi}{6}$

22) $\csc \frac{4\pi}{3}$

23) $\cot -\pi$

24) $\sec -\frac{\pi}{4}$

25) $\cos \frac{\pi}{3}$

26) $\tan 0$

27) $\cot -\frac{\pi}{6}$

28) $\sin \pi$

29) $\tan \frac{7\pi}{6}$

30) $\sec -\frac{5\pi}{4}$

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Draw unit circle as fast as you can. Then use the unit circle to answer the following questions.

1) $\sin -\frac{5\pi}{6} -\frac{1}{2}$

2) $\sin 300^\circ -\frac{\sqrt{3}}{2}$

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

4) $\sin 315^\circ -\frac{\sqrt{2}}{2}$

5) $\cos -135^\circ -\frac{\sqrt{2}}{2}$

6) $\sin 135^\circ \frac{\sqrt{2}}{2}$

7) $\cos 330^\circ \frac{\sqrt{3}}{2}$

8) $\cos \pi$

9) $\cos \frac{\pi}{2}$

10) $\cos 120^\circ -\frac{1}{2}$

11) $\sin -135^\circ -\frac{\sqrt{2}}{2}$

12) $\cos 150^\circ -\frac{\sqrt{3}}{2}$

13) $\cos -150^\circ -\frac{\sqrt{3}}{2}$

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

15) $\sin -330^\circ \frac{1}{2}$

16) $\cos -315^\circ \frac{\sqrt{2}}{2}$

17) $\cos -\frac{11\pi}{6} \frac{\sqrt{3}}{2}$

18) $\cos -120^\circ -\frac{1}{2}$

19) $\cos 300^\circ \frac{1}{2}$

20) $\sin -300^\circ \frac{\sqrt{3}}{2}$

21) $\cot -\frac{11\pi}{6} \sqrt{3}$

22) $\csc \frac{4\pi}{3} -\frac{2\sqrt{3}}{3}$

23) $\cot -\pi$
Undefined

24) $\sec -\frac{\pi}{4} \sqrt{2}$

25) $\cos \frac{\pi}{3} \frac{1}{2}$

26) $\tan 0$
0

27) $\cot -\frac{\pi}{6} -\sqrt{3}$

28) $\sin \pi$
0

29) $\tan \frac{7\pi}{6} \frac{\sqrt{3}}{3}$

30) $\sec -\frac{5\pi}{4} -\sqrt{2}$

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Draw unit circle as fast as you can. Then use the unit circle to answer the following questions.

1) $\sin 60^\circ$

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

3) $\sin -60^\circ$

4) $\sin \frac{5\pi}{3}$

5) $\sin -45^\circ$

6) $\cos 270^\circ$

7) $\cos -60^\circ$

8) $\cos \frac{5\pi}{3}$

9) $\cos 45^\circ$

10) $\sin -270^\circ$

11) $\cos 90^\circ$

12) $\cos -240^\circ$

13) $\sin 225^\circ$

14) $\sin \frac{2\pi}{3}$

15) $\sin 90^\circ$

16) $\sin -\frac{5\pi}{4}$

17) $\cos -225^\circ$

18) $\sin -\frac{\pi}{6}$

19) $\sin -90^\circ$

20) $\sin 240^\circ$

21) $\tan -\frac{11\pi}{6}$

22) $\csc -\frac{3\pi}{4}$

23) $\csc -\pi$

24) $\cot 0$

25) $\tan -\frac{\pi}{6}$

26) $\sec \frac{5\pi}{4}$

27) $\sin \frac{7\pi}{4}$

28) $\cos \frac{7\pi}{6}$

29) $\sin \frac{5\pi}{6}$

30) $\csc \frac{7\pi}{4}$

Station #2: WORK the Unit Circle

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Draw unit circle as fast as you can. Then use the unit circle to answer the following questions.

1) $\sin 60^\circ = \frac{\sqrt{3}}{2}$

2) $\cos -\frac{2\pi}{3} = -\frac{1}{2}$

3) $\sin -60^\circ = -\frac{\sqrt{3}}{2}$

4) $\sin \frac{5\pi}{3} = -\frac{\sqrt{3}}{2}$

5) $\sin -45^\circ = -\frac{\sqrt{2}}{2}$

6) $\cos 270^\circ = 0$

7) $\cos -60^\circ = \frac{1}{2}$

8) $\cos \frac{5\pi}{3} = \frac{1}{2}$

9) $\cos 45^\circ = \frac{\sqrt{2}}{2}$

10) $\sin -270^\circ = 1$

11) $\cos 90^\circ = 0$

12) $\cos -240^\circ = -\frac{1}{2}$

13) $\sin 225^\circ = -\frac{\sqrt{2}}{2}$

14) $\sin \frac{2\pi}{3} = \frac{\sqrt{3}}{2}$

15) $\sin 90^\circ = 1$

16) $\sin -\frac{5\pi}{4} = \frac{\sqrt{2}}{2}$

17) $\cos -225^\circ = -\frac{\sqrt{2}}{2}$

18) $\sin -\frac{\pi}{6} = -\frac{1}{2}$

19) $\sin -90^\circ = -1$

20) $\sin 240^\circ = -\frac{\sqrt{3}}{2}$

21) $\tan -\frac{11\pi}{6} = \frac{\sqrt{3}}{3}$

22) $\csc -\frac{3\pi}{4} = -\sqrt{2}$

23) $\csc -\pi = \text{Undefined}$

24) $\cot 0 = \text{Undefined}$

25) $\tan -\frac{\pi}{6} = -\frac{\sqrt{3}}{3}$

26) $\sec \frac{5\pi}{4} = -\sqrt{2}$

27) $\sin \frac{7\pi}{4} = -\frac{\sqrt{2}}{2}$

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

29) $\sin \frac{5\pi}{6} = \frac{1}{2}$

30) $\csc \frac{7\pi}{4} = -\sqrt{2}$