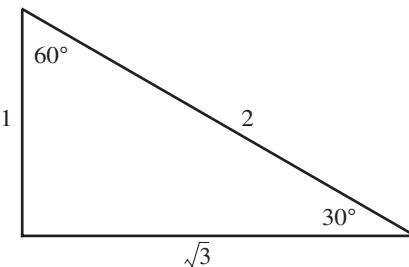
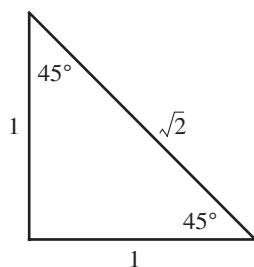


Hubert H. Humphrey

Rules



Questions

- 1 If $\tan 225^\circ = \tan (180^\circ + \theta) = \tan \theta$, what does θ equal?

By simplifying and using the triangles above, calculate the exact value of each of the following.

2 $\tan 225^\circ$

3 $\cos 120^\circ$

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

5 $\tan 210^\circ$

6 $\sin \frac{3\pi}{4}$

B

7 $\tan \frac{2\pi}{3}$

8 $\cos 330^\circ$

9 $\tan \frac{7\pi}{3}$

10 $\tan 135^\circ$

11 $\cos \frac{5\pi}{4}$

12 $\sin 150^\circ$

13 $\tan \frac{11\pi}{6}$

Solutions

A $-\frac{1}{\sqrt{2}}$

B 1

D $-\frac{1}{\sqrt{3}}$

E $\frac{1}{2}$

G $-\sqrt{3}$

I $\frac{1}{\sqrt{2}}$

N $\frac{\sqrt{3}}{2}$

O $-\frac{\sqrt{3}}{2}$

P $\frac{1}{\sqrt{3}}$

R 45°

U $\sqrt{3}$

V -1

Y $-\frac{1}{2}$

B