Precalculus Name_____ ID: 1

Assignment

Date_____ Period____

Find the exact value of each.

1) $\tan \frac{7\pi}{12}$

2) $\cos \frac{\pi}{12}$

3) $\tan 75°$

4) $\tan \frac{17\pi}{12}$

5) $\sin 105°$

6) $\tan \frac{13\pi}{12}$

7) $\tan 75°$

8) $\sin 165°$

9) $\sin \frac{\pi}{12}$

10) $\sin \frac{5\pi}{12}$

11) $\cos \frac{19\pi}{12}$

12) $\cos \frac{13\pi}{12}$

13) $\sin -\frac{5\pi}{12}$

14) $\cos 105°$

15) $\cos -105°$

16) $\cos \frac{17\pi}{12}$

17) $\sin \frac{13\pi}{12}$

18) $\cos -\frac{\pi}{12}$

19) $\tan 15°$

20) $\sin \frac{19\pi}{12}$

21) $\sin \frac{17\pi}{12}$

22) $\cos -75°$

23) $\sin -\frac{\pi}{12}$

24) $\sin 105°$

25) $\cos \frac{11\pi}{12}$

26) $\tan \frac{11\pi}{12}$

27) $\tan -\frac{5\pi}{12}$

28) $\tan -\frac{7\pi}{12}$

29) $\tan \frac{19\pi}{12}$

30) $\tan -15°$

Precalculus Name_____ ID: 1

Assignment

Date_____ Period____

Find the exact value of each.

1) $\tan \frac{7\pi}{12}$

$-2 - \sqrt{3}$

2) $\cos \frac{\pi}{12}$

$\frac{\sqrt{6} + \sqrt{2}}{4}$

3) $\tan 75°$

$2 + \sqrt{3}$

4) $\tan \frac{17\pi}{12}$

$2 + \sqrt{3}$

5) $\sin 105°$

$\frac{\sqrt{6} + \sqrt{2}}{4}$

6) $\tan \frac{13\pi}{12}$

$2 - \sqrt{3}$

7) $\tan 75°$

$2 + \sqrt{3}$

8) $\sin 165°$

$\frac{\sqrt{6} - \sqrt{2}}{4}$

9) $\sin \frac{\pi}{12}$

$\frac{\sqrt{6} - \sqrt{2}}{4}$

10) $\sin \frac{5\pi}{12}$

$\frac{\sqrt{6} + \sqrt{2}}{4}$

11) $\cos \frac{19\pi}{12}$

$\frac{\sqrt{6} - \sqrt{2}}{4}$

12) $\cos \frac{13\pi}{12}$

$\frac{-\sqrt{6} - \sqrt{2}}{4}$

13) $\sin -\frac{5\pi}{12}$

$\frac{-\sqrt{6} - \sqrt{2}}{4}$

14) $\cos 105°$

$\frac{\sqrt{2} - \sqrt{6}}{4}$

15) $\cos -105°$

$\frac{\sqrt{2} - \sqrt{6}}{4}$

16) $\cos \frac{17\pi}{12}$

$\frac{\sqrt{2} - \sqrt{6}}{4}$

17) $\sin \frac{13\pi}{12}$

$\frac{\sqrt{2} - \sqrt{6}}{4}$

18) $\cos -\frac{\pi}{12}$

$\frac{\sqrt{6} + \sqrt{2}}{4}$

19) $\tan 15°$

$2 - \sqrt{3}$

20) $\sin \frac{19\pi}{12}$

$\frac{-\sqrt{6} - \sqrt{2}}{4}$

21) $\sin \frac{17\pi}{12}$

$\frac{-\sqrt{6} - \sqrt{2}}{4}$

22) $\cos -75°$

$\frac{\sqrt{6} - \sqrt{2}}{4}$

23) $\sin -\frac{\pi}{12}$

$\frac{\sqrt{2} - \sqrt{6}}{4}$

24) $\sin 105°$

$\frac{\sqrt{6} + \sqrt{2}}{4}$

25) $\cos \frac{11\pi}{12}$

$\frac{-\sqrt{6} - \sqrt{2}}{4}$

26) $\tan \frac{11\pi}{12}$

$\sqrt{3} - 2$

27) $\tan -\frac{5\pi}{12}$

$-2 - \sqrt{3}$

28) $\tan -\frac{7\pi}{12}$

$2 + \sqrt{3}$

29) $\tan \frac{19\pi}{12}$

$-2 - \sqrt{3}$

30) $\tan -15°$

$\sqrt{3} - 2$