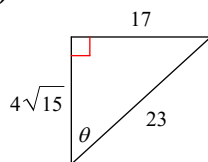


## Practice Test 4.1-4.4 - NO CALC

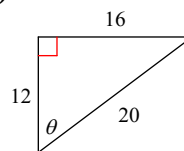
Date \_\_\_\_\_ Period \_\_\_\_ Score \_\_\_\_\_

**Find the value of the trig function indicated.**

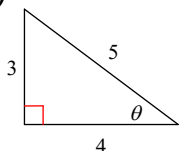
1)  $\cot \theta$



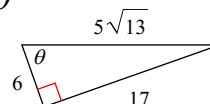
2)  $\sec \theta$



3)  $\csc \theta$



4)  $\cot \theta$

**In each triangle ABC, angle C is a right angle. Find the value of the trig function indicated.**

5) Find  $\sec A$  if  $a = 8$ ,  $c = 10$ ,  $b = 6$

6) Find  $\sec A$  if  $a = 14$ ,  $b = 21$ ,  $c = 7\sqrt{13}$

**Find the value of the trig function indicated.**

7) Find  $\sin \theta$  if  $\csc \theta = \frac{25}{24}$

8) Find  $\cot \theta$  if  $\cos \theta = \frac{6\sqrt{13}}{65}$

**Find the exact value of each trigonometric function.**

9)  $\sin 45^\circ$

10)  $\sin 300^\circ$

11)  $\cos 60^\circ$

12)  $\cos 45^\circ$

13)  $\tan 0^\circ$

14)  $\tan 315^\circ$

15)  $\sin \frac{7\pi}{6}$

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

17)  $\cos \pi$

18)  $\cos \frac{\pi}{6}$

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

20)  $\tan \pi$

21)  $\csc 90^\circ$

22)  $\cot 315^\circ$

23)  $\cot \frac{\pi}{6}$

24)  $\sec \frac{5\pi}{3}$

## Answers to Practice Test 4.1-4.4 - NO CALC (ID: 1)

1)  $\frac{4\sqrt{15}}{17}$

2)  $\frac{5}{3}$

3)  $\frac{5}{3}$

4)  $\frac{6}{17}$

5)  $\frac{5}{3}$

6)  $\frac{\sqrt{13}}{3}$

7)  $\frac{24}{25}$

8)  $\frac{6}{17}$

9)  $\frac{\sqrt{2}}{2}$

10)  $-\frac{\sqrt{3}}{2}$

11)  $\frac{1}{2}$

12)  $\frac{\sqrt{2}}{2}$

13) 0

14) -1

15)  $-\frac{1}{2}$

16)  $\frac{\sqrt{3}}{2}$

17) -1

18)  $\frac{\sqrt{3}}{2}$

19) 1

20) 0

21) 1

22) -1

23)  $\sqrt{3}$

24) 2