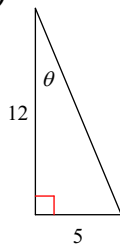
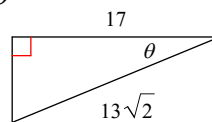
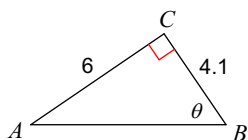


Trig Practice Test Part I

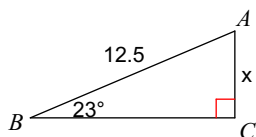
Date _____ Period _____

Find the value of the trig function indicated.1) $\cot \theta$ 2) $\csc \theta$ **Find the measure of each angle indicated. Round to the nearest tenth.**

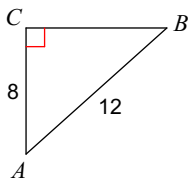
3)

**Find the measure of each side indicated. Round to the nearest tenth.**

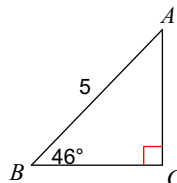
4)

**Solve each triangle. Round answers to the nearest tenth.**

5)



6)

**Use the given point on the terminal side of angle θ to find the value of the trigonometric function indicated.**7) $\tan \theta; (4, -2\sqrt{5})$ 8) $\sec \theta; (-\sqrt{13}, 6)$ **Convert each degree measure into radians and each radian measure into degrees.**9) -990° 10) $\frac{4\pi}{9}$

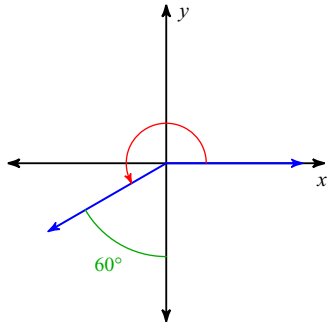
Find a positive and a negative coterminal angle for each given angle.

11) 450°

12) $\frac{8\pi}{3}$

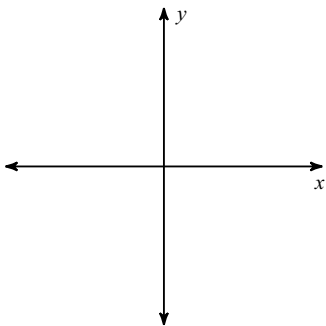
Find the measure of each angle.

13)



Draw an angle with the given measure in standard position.

14) -290°



Find the reference angle.

15) -680°

16) $\frac{25\pi}{18}$

Find the exact value of each trigonometric function.

17) $\cot -765^\circ$

18) $\sin -\frac{\pi}{3}$

19) $\cot 210^\circ$

20) $\sin -780^\circ$

21) $\cos -210^\circ$

22) $\sin 150^\circ$

23) $\cot \frac{2\pi}{3}$

24) $\sec -240^\circ$

25) $\sin 405^\circ$

26) $\csc -780^\circ$

Answers to Trig Practice Test Part I (ID: 1)

1) $\frac{12}{5}$

2) $\frac{13\sqrt{2}}{7}$

3) 55.7°

4) 4.9

5) $m\angle A = 48.2^\circ$, $m\angle B = 41.8^\circ$, $a = 8.9$

6) $m\angle A = 44^\circ$, $b = 3.6$, $a = 3.5$

7) $-\frac{\sqrt{5}}{2}$

8) $-\frac{7\sqrt{13}}{13}$

9) $-\frac{11\pi}{2}$

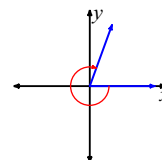
10) 80°

11) 90° and -270°

12) $\frac{2\pi}{3}$ and $-\frac{4\pi}{3}$

13) 210°

14)



15) 40°

16) $\frac{7\pi}{18}$

17) -1

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

19) $\sqrt{3}$

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

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

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

23) $-\frac{\sqrt{3}}{3}$

24) -2

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

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