Name _____   **Trig Chapter 9 Test PART 1**

_____1.   In which quadrant is 230°?
            A. I   B. II   C. III   D. IV

_____2.   In which quadrant is -10°?
            A. I   B. II   C. III   D. IV

_____3.   In which quadrant is 2200°?
            A. I   B. II   C. III   D. IV

_____4.   In which quadrant is $\dfrac{7\pi}{4}$?
            A. I   B. II   C. III   D. IV

_____5.   In which quadrant is $-\dfrac{4\pi}{3}$?
            A. I   B. II   C. III   D. IV

_____6.   In which quadrant is $\dfrac{11\pi}{3}$?
            A. I   B. II   C. III   D. IV

_____7.   Are 40° and 760° coterminal?
            A. Yes   B. No

_____8.   Are $\dfrac{\pi}{5}$ and $\dfrac{7\pi}{5}$ coterminal?
            A. Yes   B. No

_____9.   Are -280° and 440° coterminal?
            A. Yes   B. No

_____10.   Are $-\dfrac{3\pi}{2}$ and $\dfrac{5\pi}{2}$ coterminal?
            A. Yes   B. No

_____11.   Are 250° and 14310° coterminal?
            A. Yes   B. No

_____12.   Are $\dfrac{17\pi}{9}$ and $\dfrac{116\pi}{9}$ coterminal?
            A. Yes   B. No

_____13.   Which of the following is the reciprocal of sin θ?
            A. cot θ B. sec θ C. csp θ D. csc θ E. None of the above

_____14.   Which is equal to $\dfrac{adjacent}{opposite}$?

A. csp θ B. sec θ C. tan θ D. csc θ E. None of the above

_____15.   Are $480°$ and $\dfrac{24\pi}{9}$ the same thing?

A. Yes   B. No

_____16.   When $\cos\theta = \dfrac{3}{5}$ and the terminal side of θ is in the 1ˢᵗ quadrant, what is $\sin\theta$?

A. $\dfrac{5}{3}$ B. $\dfrac{3}{4}$ C. $\dfrac{4}{5}$ D. None of the above

_____17.   When $\cos\theta = \dfrac{12}{13}$ and the terminal side of θ is in the 1ˢᵗ quadrant, what is $\sin\theta$?

A. $\dfrac{5}{13}$ B. $\dfrac{13}{12}$ C. $\dfrac{5}{12}$ D. None of the above

_____18.   When $\cos\theta = \dfrac{12}{13}$ and the terminal side of θ is in the 1ˢᵗ quadrant, what is $\tan\theta$?

A. $\dfrac{5}{13}$ B. $\dfrac{13}{12}$ C. $\dfrac{5}{12}$ D. None of the above

_____19.   When $\cos\theta = \dfrac{12}{13}$ and the terminal side of θ is in the 1ˢᵗ quadrant, what is $\sec\theta$?

A. $\dfrac{5}{13}$ B. $\dfrac{13}{12}$ C. $\dfrac{5}{12}$ D. None of the above

_____20.   When $\cos\theta = \dfrac{8}{17}$ and the terminal side of θ is in the 1ˢᵗ quadrant, what is $\tan\theta$?

A. $\dfrac{8}{15}$ B. $\dfrac{15}{17}$ C. $\dfrac{8}{17}$ D. None of the above

_____21.   When $\cos\theta = \dfrac{8}{17}$ and the terminal side of θ is in the 1ˢᵗ quadrant, what is $\sin\theta$?

A. $\dfrac{8}{15}$ B. $\dfrac{15}{17}$ C. $\dfrac{8}{17}$ D. None of the above

_____22.   When $\tan\theta = \dfrac{40}{9}$ and the terminal side of θ is in the 1ˢᵗ quadrant, what is $\sin\theta$?

A. $\dfrac{40}{41}$ B. $\dfrac{41}{9}$ C. $\dfrac{9}{41}$ D. None of the above

_____23.	What is the cos θ if the initial side of the angle is on the x-axis (0°)
and the terminal side goes through the point (3, 4)?

A. $\dfrac{3}{4}$ 　　　　B. $\dfrac{3}{5}$ 　　　　C. $\dfrac{4}{5}$ 　　　　D. None of the above

_____24.	What is the tan θ if the initial side of the angle is on the x-axis (0°)
and the terminal side goes through the point (3, 4)?

A. $\dfrac{3}{4}$ 　　　　B. $\dfrac{3}{5}$ 　　　　C. $\dfrac{4}{5}$ 　　　　D. None of the above

_____25.	What is the tan θ if the initial side of the angle is on the x-axis (0°)
and the terminal side goes through the point (5, 12)?

A. $\dfrac{5}{12}$ 　　　　B. $\dfrac{5}{13}$ 　　　　C. $\dfrac{12}{13}$ 　　　　D. None of the above