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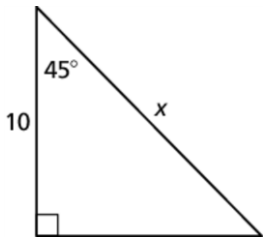
Name_____ Per._____

Algebra 2 - 9.1-9.4 Quiz

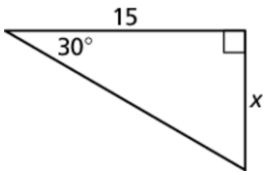
1) In a right triangle, θ is an acute angle and $\sin\theta = \frac{4}{9}$. Evaluate the other five trigonometric functions of θ. Write out the functions. (5 pts)

Find the value of x for the right triangle. (2 pts each)

2)



3)



Find one positive angle and one negative angle that are coterminal with the given angle. (2 pt each)

4) 50°

5) $\frac{5\pi}{4}$

6) 800°

Convert the degree measure to radians or the radian measure to degrees. (2 pt each)

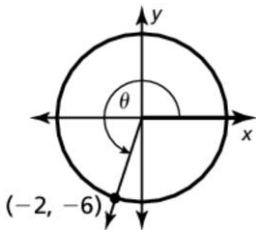
7) $\frac{7\pi}{8}$

8) $-80°$

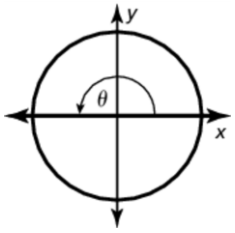
9) 64°

Evaluate the six trigonometric functions of θ. Write out the functions. (6 pts each)

10)



11)



12) Identify the amplitude and period of $g(x) = 5 \sin x$. Then describe the graph of g as a transformation of the graph of $f(x) = \sin x$. (3 pts)

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