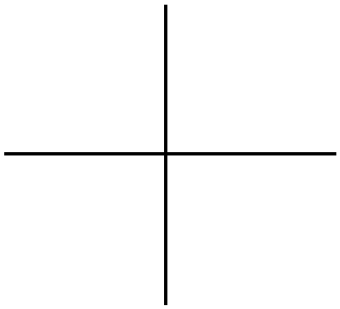
Algebra 2
Chapter 13 – Trigonometry
13.1 – 13.3 REVIEW

Name: _____

Date: _____ Per: _____

Find the values of the six simplified trigonometric functions of angle θ.

1.) Point $(3, 4)$

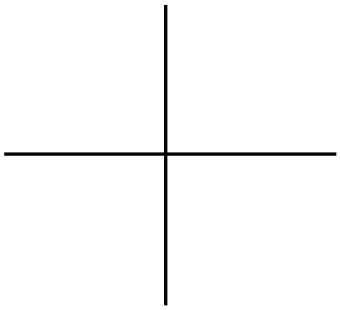


$\sin\theta$=_____ $\csc\theta$=_____

$\cos\theta$=_____ $\sec\theta$=_____

$\tan\theta$=_____ $\cot\theta$=_____

2.) Point $(-\sqrt{2}, -6)$

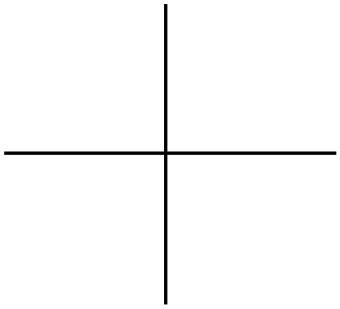


$\sin\theta$=_____ $\csc\theta$=_____

$\cos\theta$=_____ $\sec\theta$=_____

$\tan\theta$=_____ $\cot\theta$=_____

3.) Point $(15, -8)$

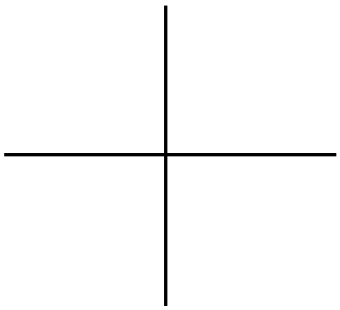


$\sin\theta$=_____ $\csc\theta$=_____

$\cos\theta$=_____ $\sec\theta$=_____

$\tan\theta$=_____ $\cot\theta$=_____

4.) Point $(-3, 2\sqrt{5})$



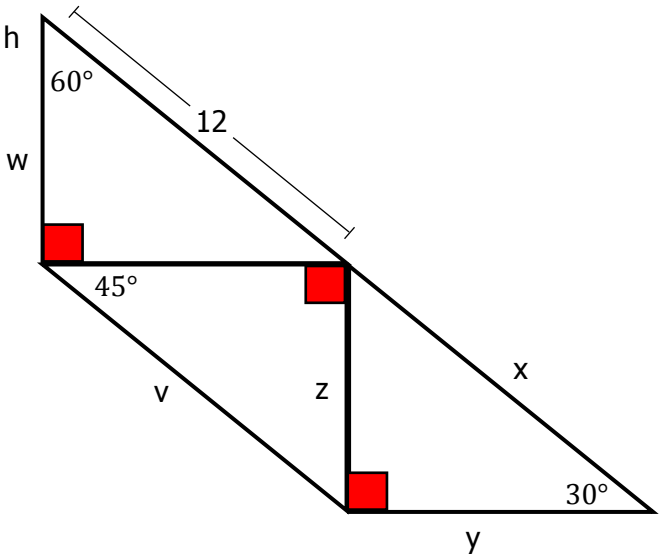
$\sin\theta$=_____ $\csc\theta$=_____

$\cos\theta$=_____ $\sec\theta$=_____

$\tan\theta$=_____ $\cot\theta$=_____

Find the value(s) of the missing sides of the special right triangle.

5.) h



v = _____

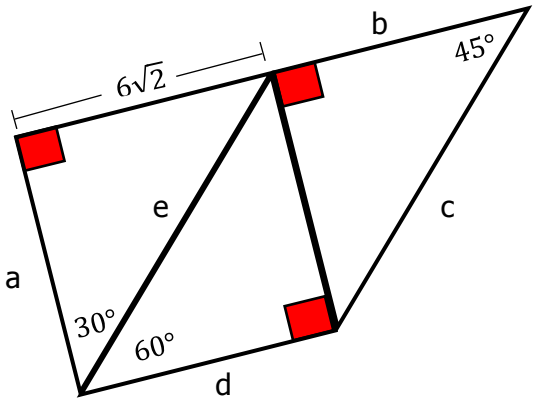
w = _____

x = _____

y = _____

z = _____

6.)



a = _____

b = _____

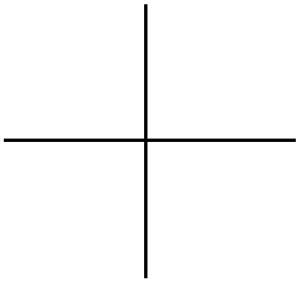
c = _____

d = _____

e = _____

7.) Consider the angle θ in standard position such that $\theta = 225°$. Draw the angle, and find each of the following.

A.)



B.) The quadrant in which θ terminates _____

C.) The reference angle for θ _____

D.) A positive angle coterminal with θ _____

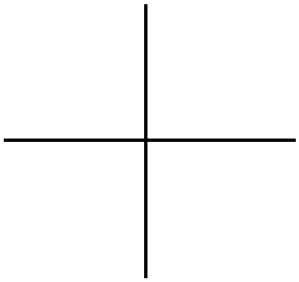
E.) A negative angle coterminal with θ _____

F.) An angle with the same reference angle as θ in…

1.) Q1 2.) Q2 3.) Q3 4.) Q4

8.) Consider the angle θ in standard position such that $\theta = 430°$. Draw the angle, and find each of the following.

A.)



B.) The quadrant in which θ terminates _____

C.) The reference angle for θ _____

D.) A positive angle coterminal with θ _____

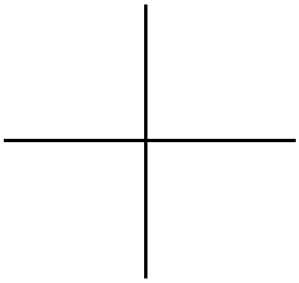
E.) A negative angle coterminal with θ _____

F.) An angle with the same reference angle as θ in…

1.) Q1 2.) Q2 3.) Q3 4.) Q4

9.) Consider the angle θ in standard position such that $\theta = 165°$. Draw the angle, and find each of the following.

A.)



B.) The quadrant in which θ terminates _____

C.) The reference angle for θ _____

D.) A positive angle coterminal with θ _____

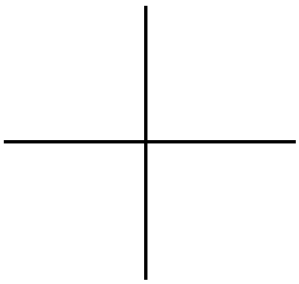
E.) A negative angle coterminal with θ _____

F.) An angle with the same reference angle as θ in…

1.) Q1 2.) Q2 3.) Q3 4.) Q4

10.) Consider the angle θ in standard position such that $\theta = 310°$. Draw the angle, and find each of the following.

A.)



B.) The quadrant in which θ terminates _____

C.) The reference angle for θ _____

D.) A positive angle coterminal with θ _____

E.) A negative angle coterminal with θ _____

F.) An angle with the same reference angle as θ in…

1.) Q1 2.) Q2 3.) Q3 4.) Q4