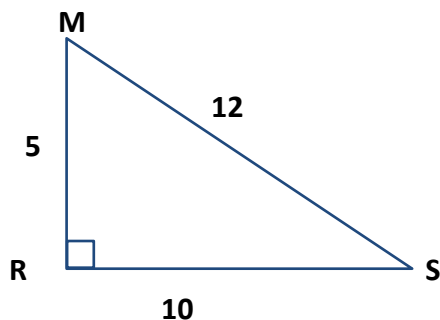
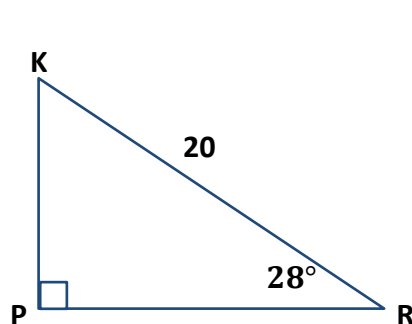


Trigonometric Ratios Exit Quiz

1. Find $\sin \angle M$, $\cos \angle M$



2. Use trigonometric ratios and Pythagorean Theorem to find the values of missing sides and angles.



$$\overline{KR} = 20$$

$$\angle R = 28^\circ$$

$$\overline{PK} = ?$$

$$\angle K = ?$$

$$\overline{PR} = ?$$

3. Use your calculator to calculate the following.

a. $\sin 30^\circ =$

b. $\cos 45^\circ =$

c. $\sin \angle B = 0,1908$

d. $\tan \angle B = 2,1445$

4. Find the value of θ that makes each statement true.

a. $\sin \theta = \cos(3\theta + 50^\circ)$

b. $\cos \theta = \sin(4\theta - 40^\circ)$

Name: _____ Period: _____ Date: _____

Trigonometric Ratios Exit Quiz

5. A rock dropped from the top of the Leaning Tower of Pisa falls to a point 14 feet from its base. If the tower is 182 feet tall, at what angle does it lean at the ground?

