

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Similar Right Triangles - Introduction to Trigonometry Algebra 1 Homework

### Skills

For problems 1 – 6, use the triangle to the right to find the given trigonometric ratios.

1.  $\cos N =$

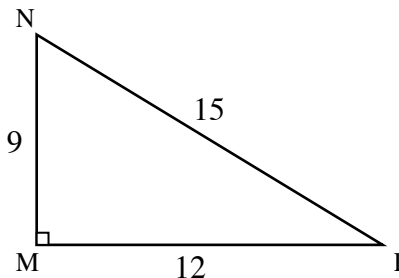
2.  $\sin N =$

3.  $\tan N =$

4.  $\sin P =$

5.  $\cos P =$

6.  $\tan P =$



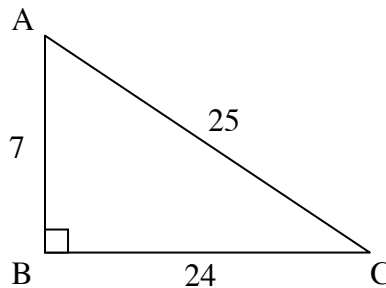
7. Given the right triangle shown, which of the following represents the value of  $\tan A$ ?

(1)  $\frac{25}{24}$

(3)  $\frac{7}{24}$

(2)  $\frac{24}{7}$

(4)  $\frac{24}{25}$



\_\_\_\_\_

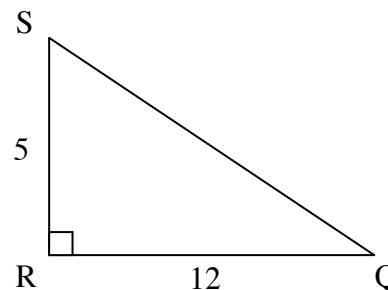
8. In the right triangle below,  $\cos Q = ?$

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

(3)  $\frac{12}{17}$

(2)  $\frac{5}{12}$

(4)  $\frac{12}{13}$

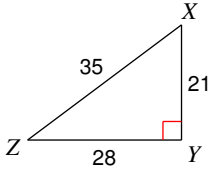


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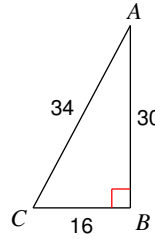
# Trigonometric Ratios

**Find the value of each trigonometric ratio.**

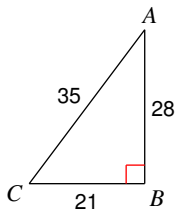
1)  $\tan Z$



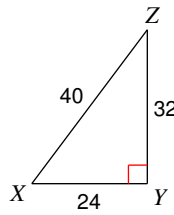
2)  $\cos C$



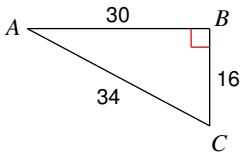
3)  $\sin C$



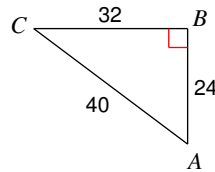
4)  $\tan X$



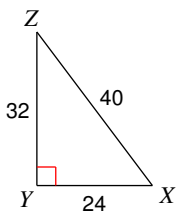
5)  $\cos A$



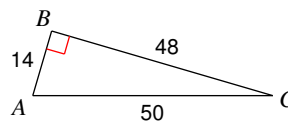
6)  $\sin A$



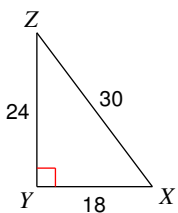
7)  $\sin Z$



8)  $\sin C$



9)  $\cos Z$



10)  $\tan C$

