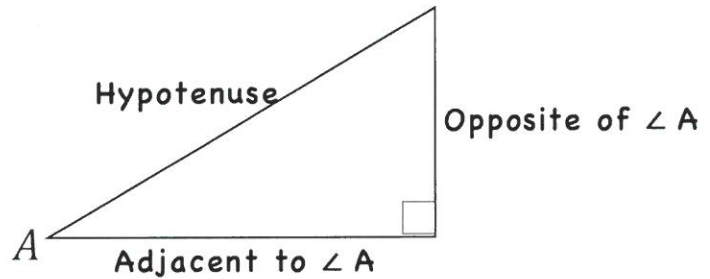


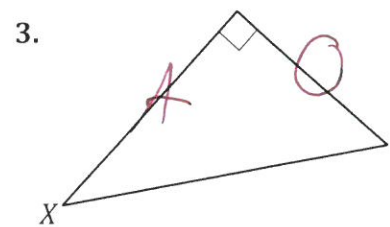
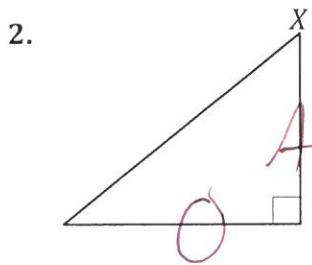
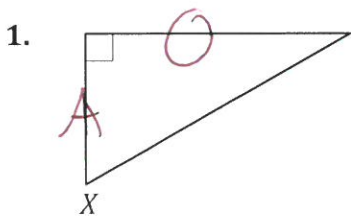
Learning Target: Given sides of a right triangle, identify the trigonometric ratios for a given angle. (Level 2)

TANGENT INTRODUCTION

$$\text{Tangent (tan)} = \frac{\text{opposite}}{\text{adjacent}}$$

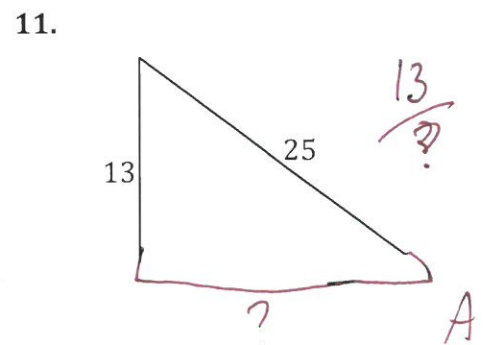
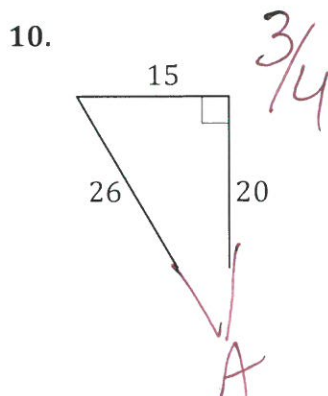
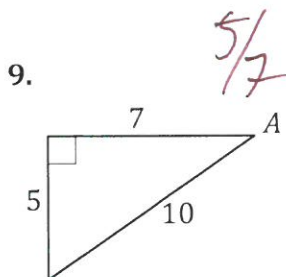
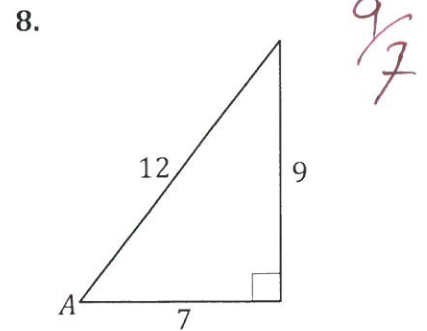
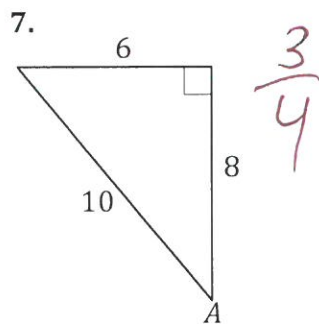
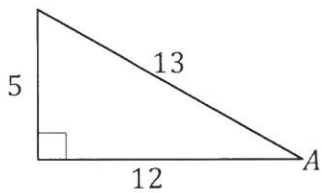


In each triangle place an "O" on the side *opposite* to $\angle X$ and an "A" on the side *adjacent* to $\angle X$.



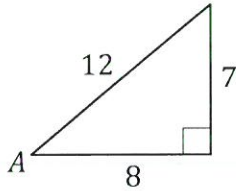
Write a fraction in lowest terms that represents the $\tan A$.

Example: $\frac{5}{12}$

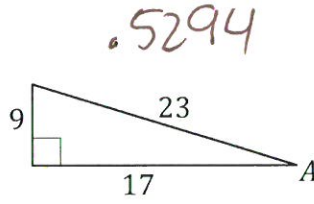


Find the value of the $\tan A$ to the nearest ten-thousandth (four places behind the decimal point) in each triangle.

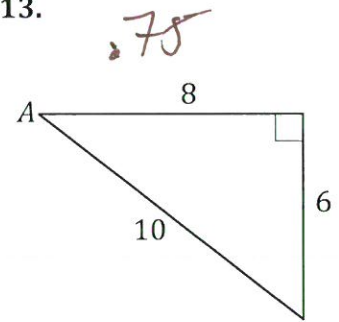
Example: $\frac{7}{8} = 0.875$



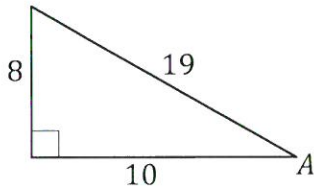
12.



13.

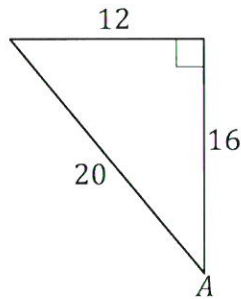


14.



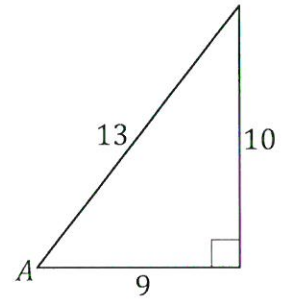
.8

15.



.75

16.



1.1111