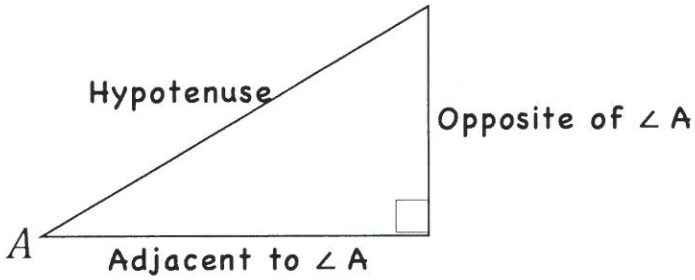
Learning Target:	Given sides of a right triangle, identify the trigonometric ratios for a given angle. (Level 2)

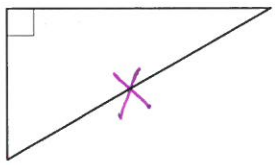
SINE INTRODUCTION

$$\text{Sine (sin)} = \frac{opposite}{hypotenuse}$$



In each triangle place an "x" on the *hypotenuse.*

1



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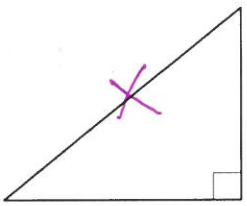

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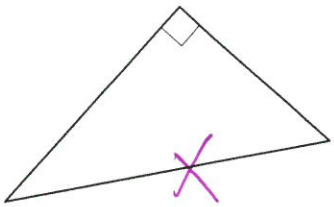
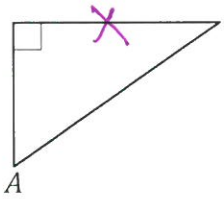


In each triangle place an "x" on the side *opposite of* $\angle A$.

4.



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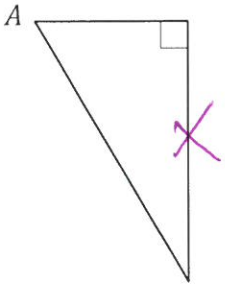

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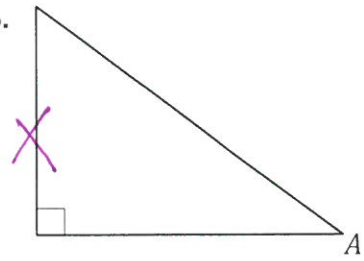
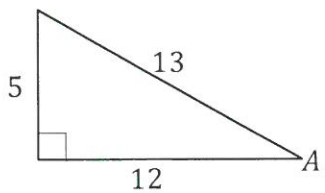


Write a fraction in lowest terms that represents the sin *A*.

Example: $\frac{5}{13}$



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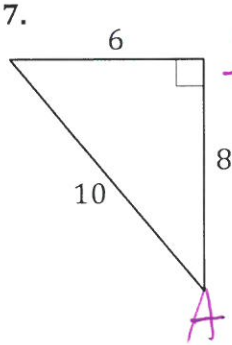
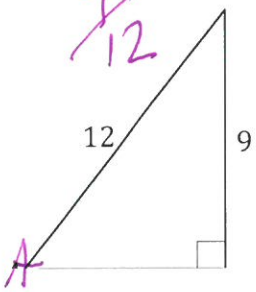


$\frac{6}{10}$

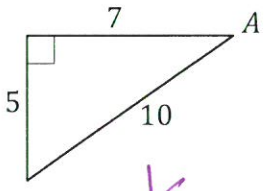
8.



$\frac{9}{12}$

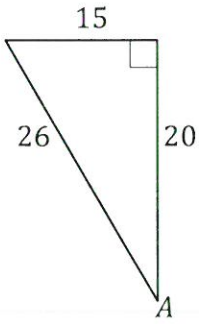
Write a fraction in lowest terms that represents the sin *A*.

9.



$\frac{1}{2}$

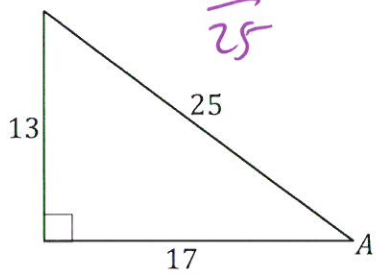
10.



$\frac{15}{26}$

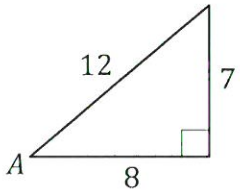
11.

$\frac{13}{25}$



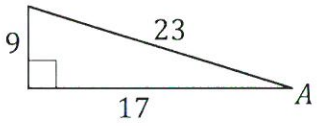
Find the value of the sin *A* to the nearest ten-thousandth (four places behind the decimal point) in each triangle.

Example: $\frac{7}{12} = 0.5833$

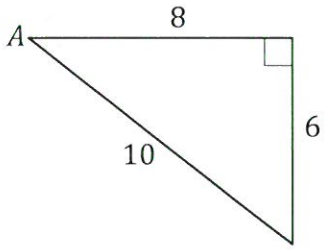


12.

.3913



13. .6



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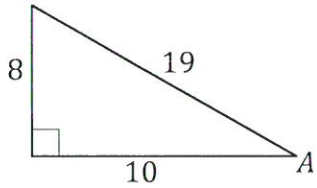
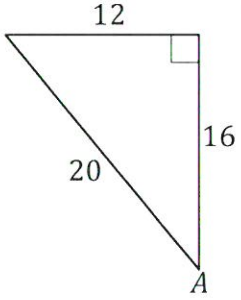


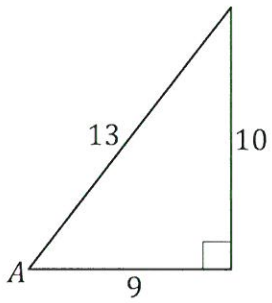
.4211

15.



.6

16.



.7692