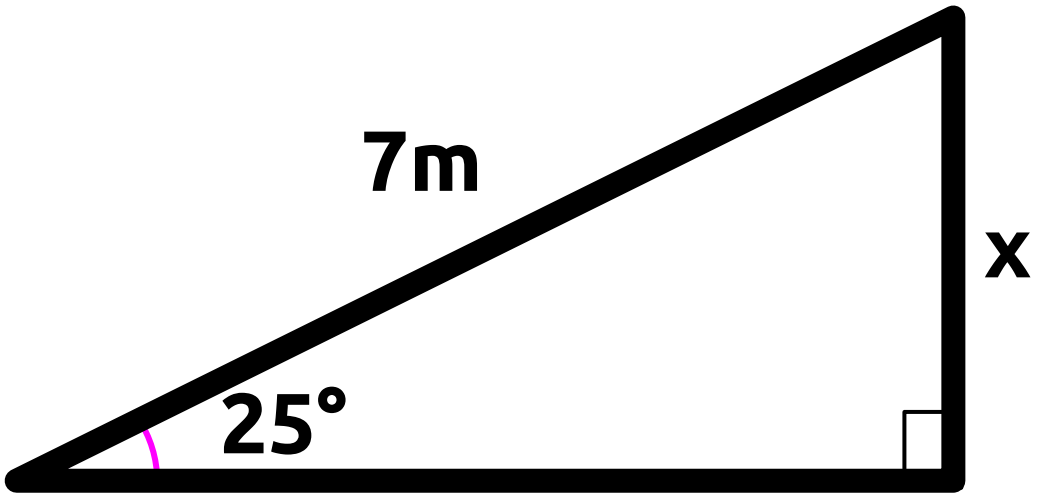
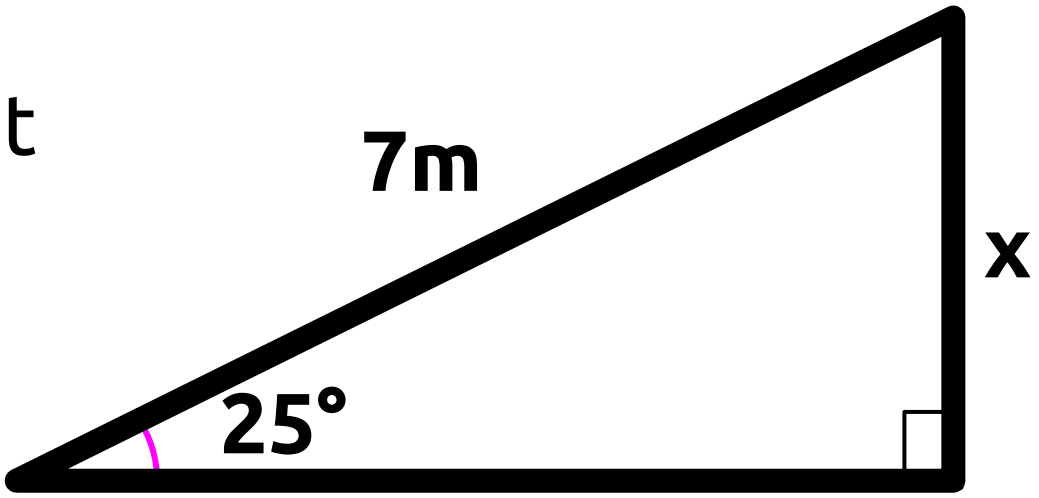
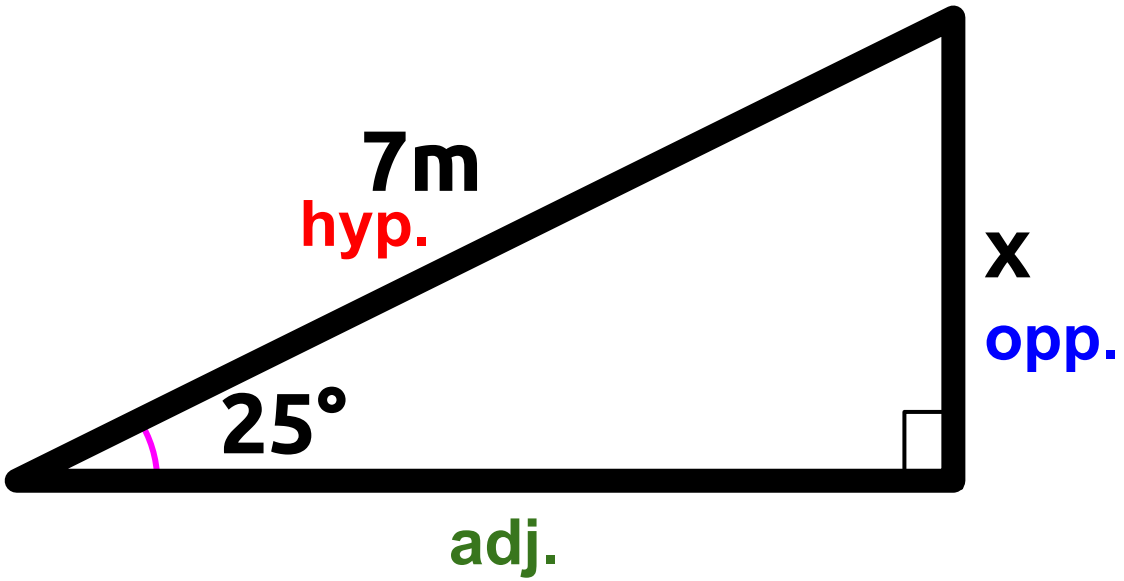

7m
x
25°

1) Orient yourself at an angle that you know the value of.

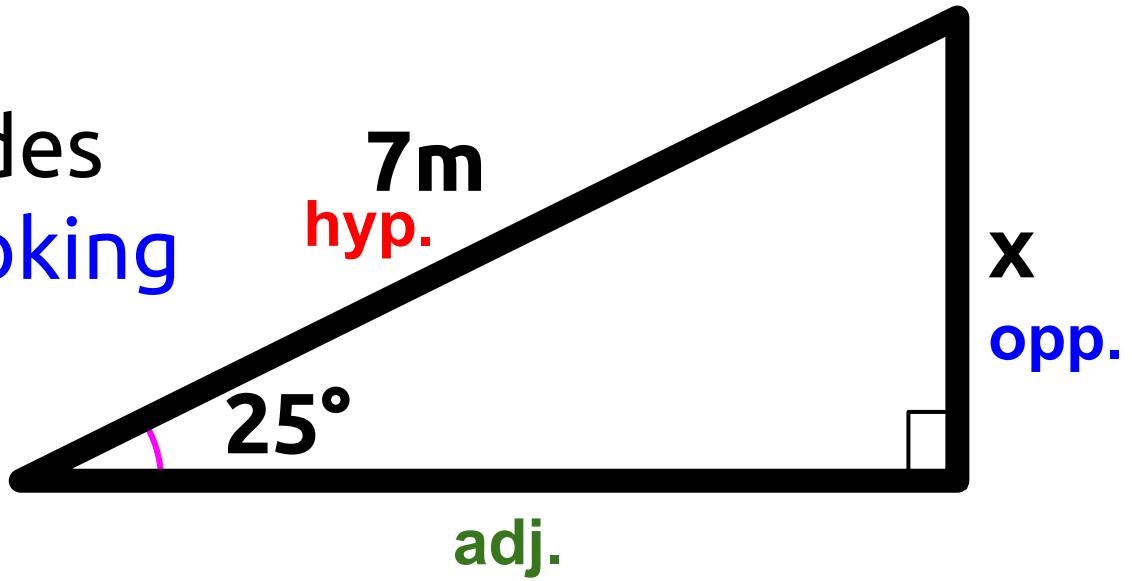


In this example stand at the 25° angle

2) Label your sides



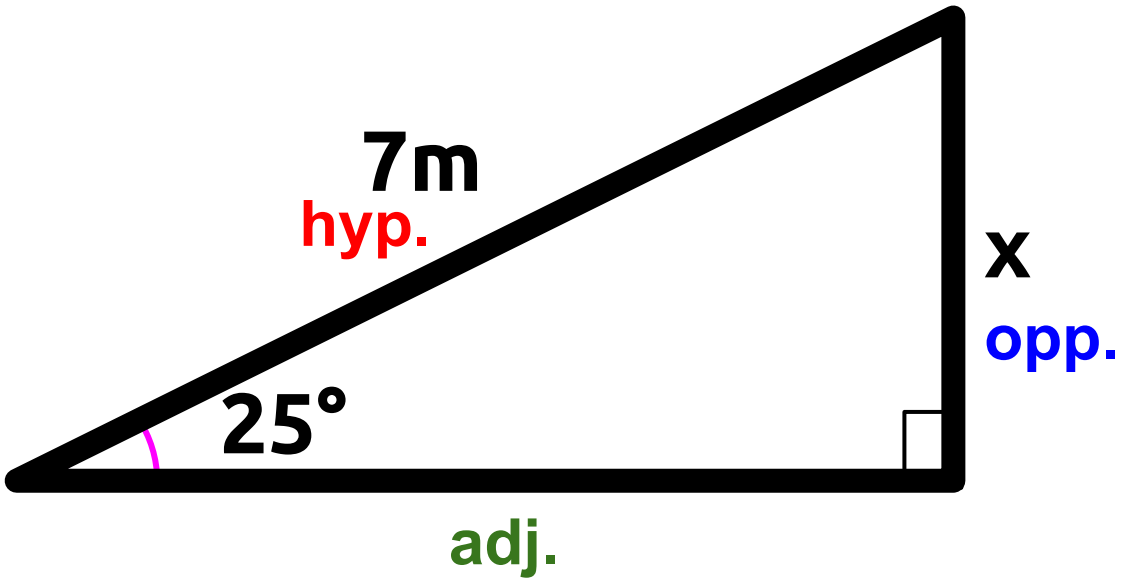
3) Choose a trig function that includes the side you are looking for and a side you already know.



In this example we need to use **Sine**

S OH
C AH
T OA

4) Create an equation.

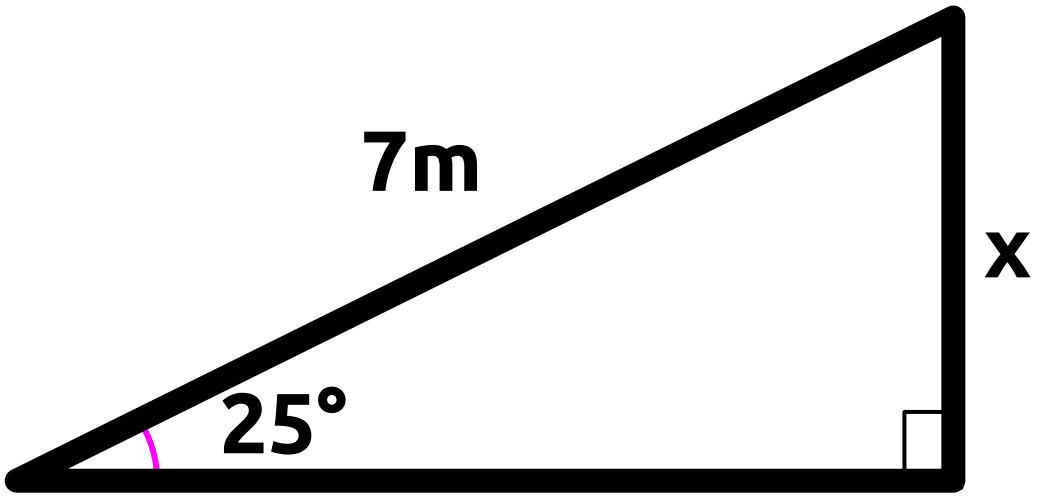


In this example...

sin(25°)=opp/hyp

sin(25°)=x/7

5) Use a **trig table of values** to fill in a value for your trig function.

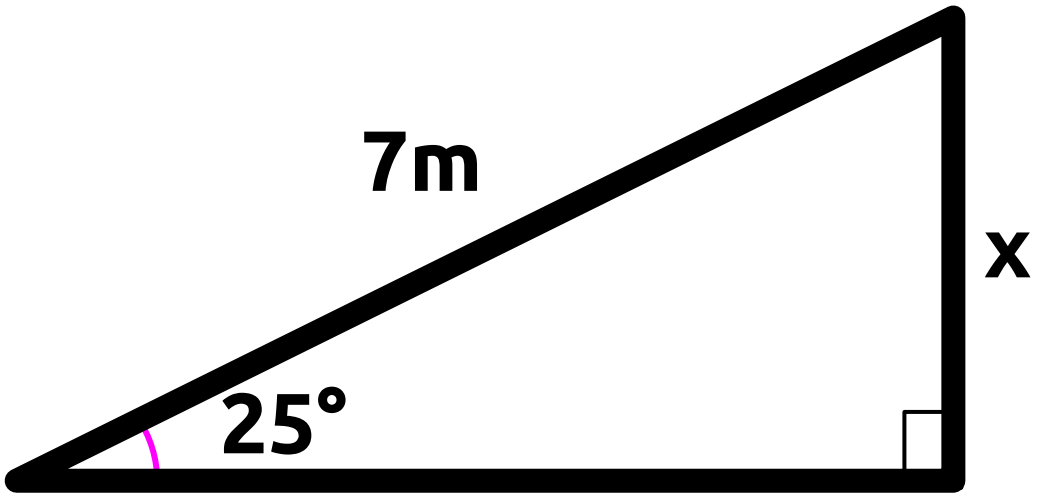


In this example...

sin(25°)=x/7

0.422=x/7

6) Solve your equation using algebra



In this example...

$0.422 = x/7$

$0.422 \cdot 7 = x$

$2.954 = x$

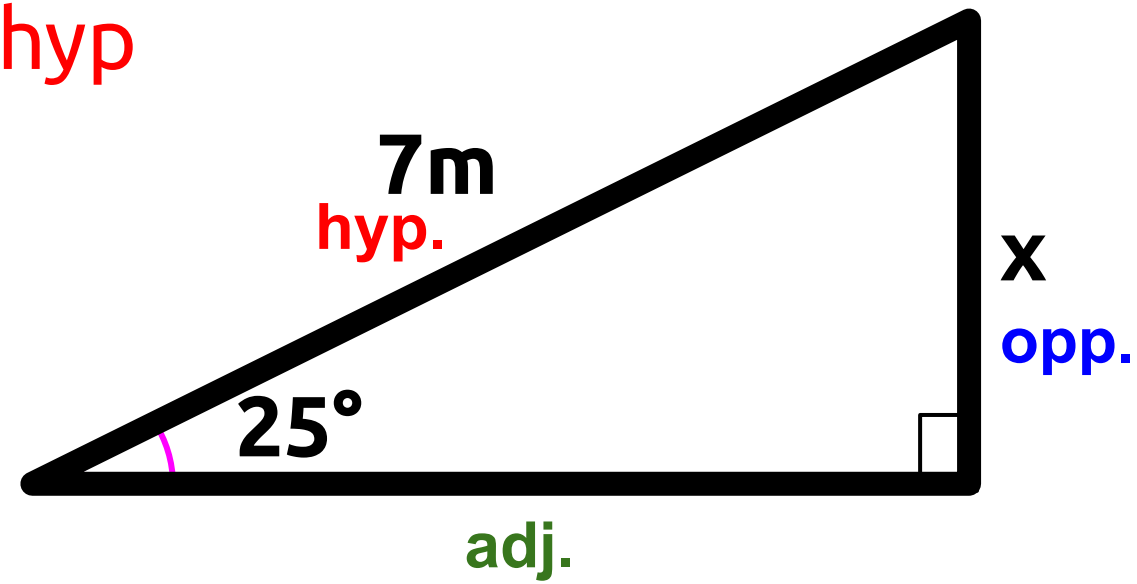
The missing side is

x= **2.954m**

Choose a trig function that includes the part you want to know, and the part you already know.

S OH
C AH
T OA

$\sin(25°)=\text{opp}/\text{hyp}$
$\sin(25°)=x/7$
$0.422=x/7$
$0.422\cdot 7=x$
$\mathbf{2.954=x}$



Use a table of trigonometric values to get the decimal.