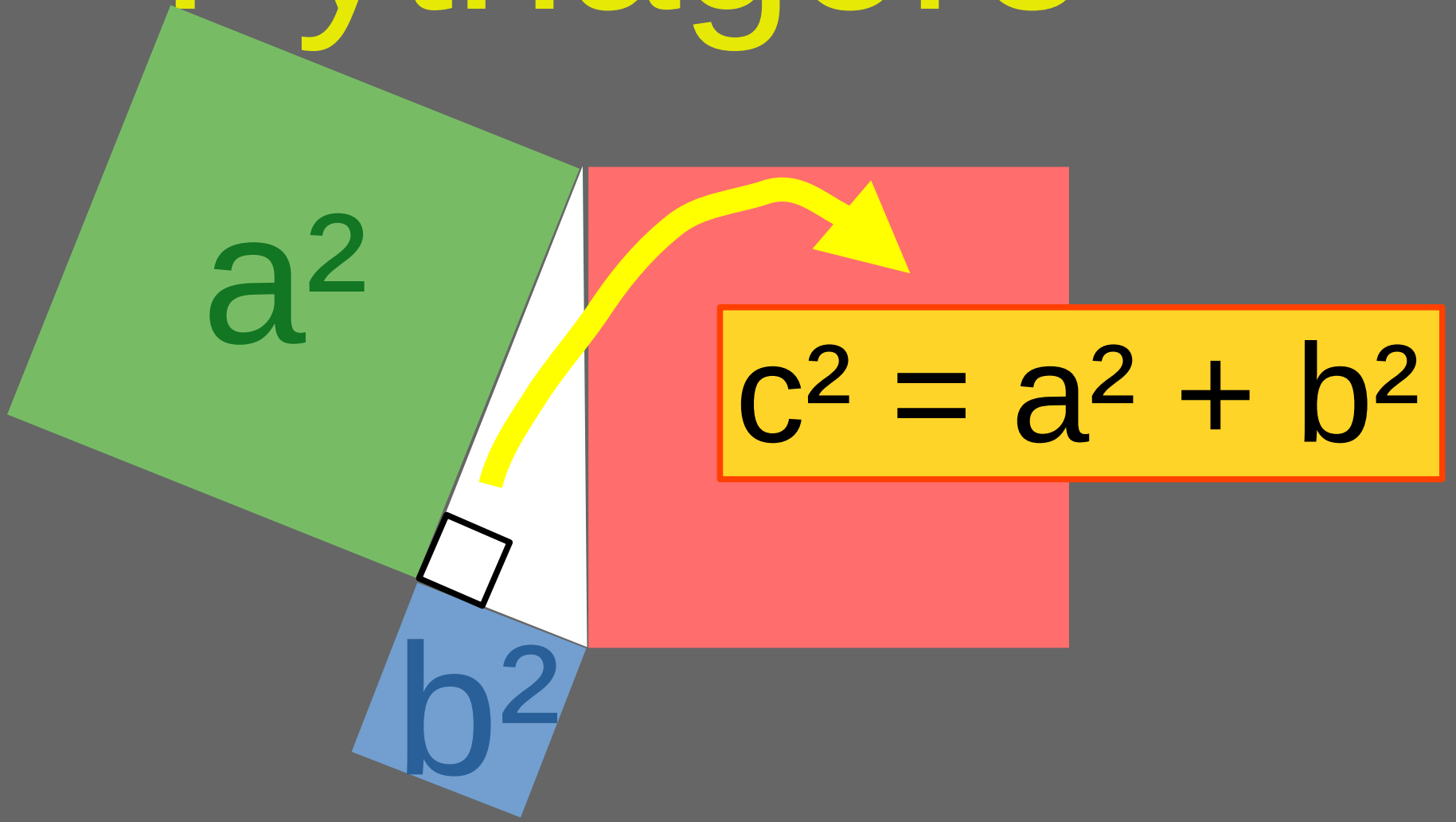
Questions Flash

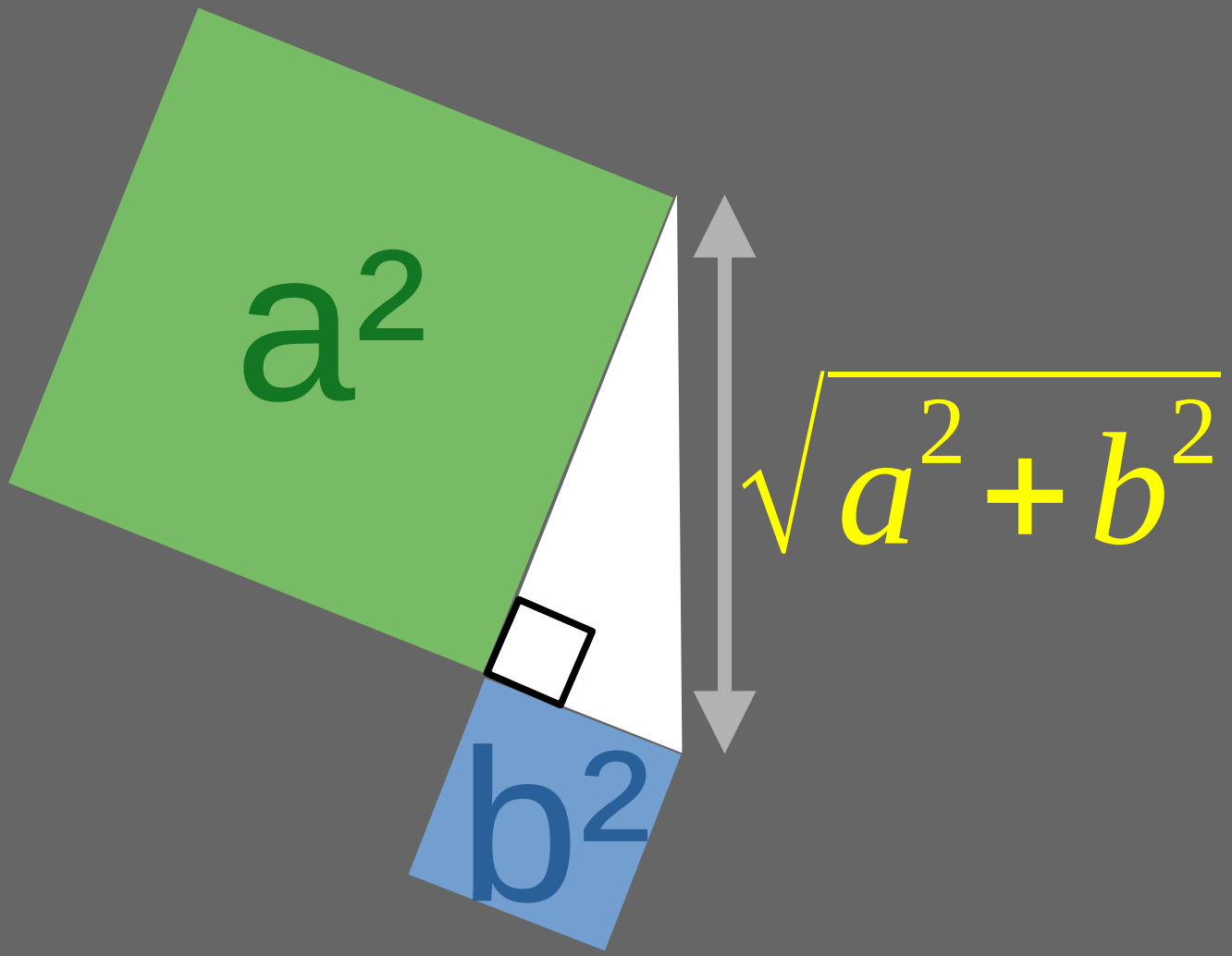
Pythagore (2)

Rappels :

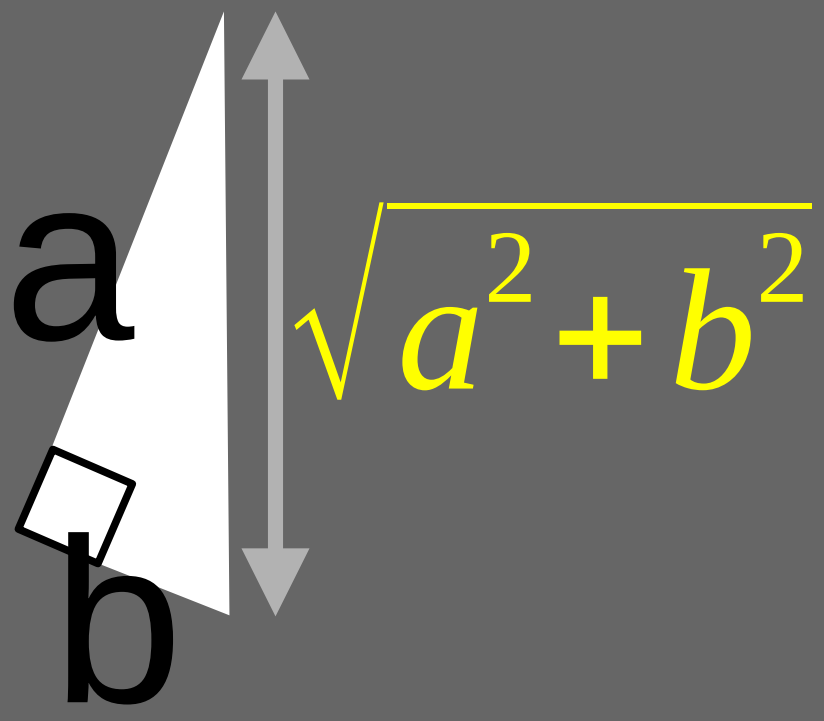
Théorème de Pythagore



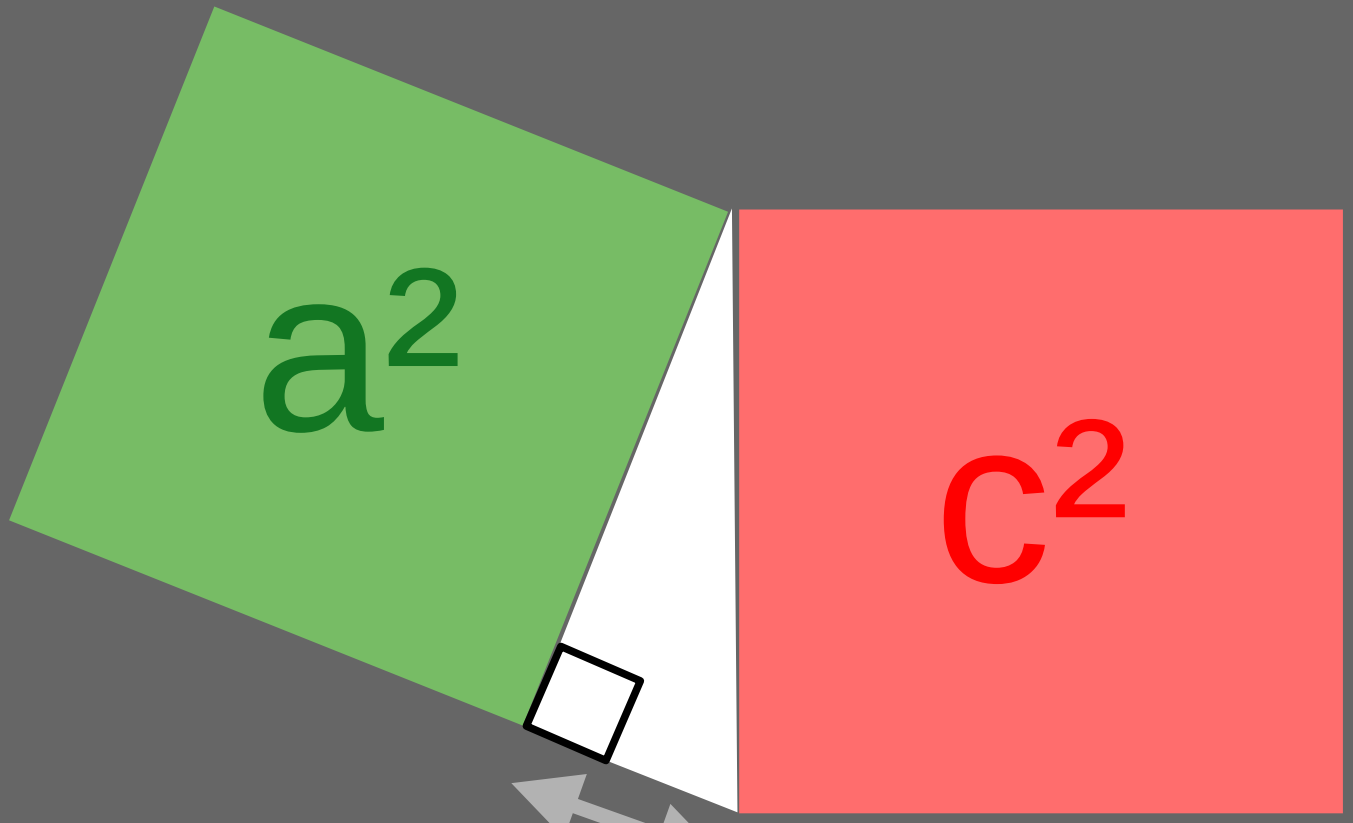
Calcul de la longueur de l’ hypoténuse



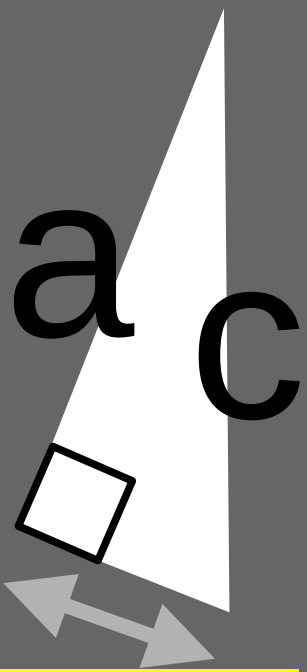
Calcul de la longueur de l’ hypoténuse



Calcul de la longueur d'un côté de l'angle droit



Calcul de la longueur d'un côté de l'angle droit



$$\sqrt{c^2 - a^2}$$

En piste !

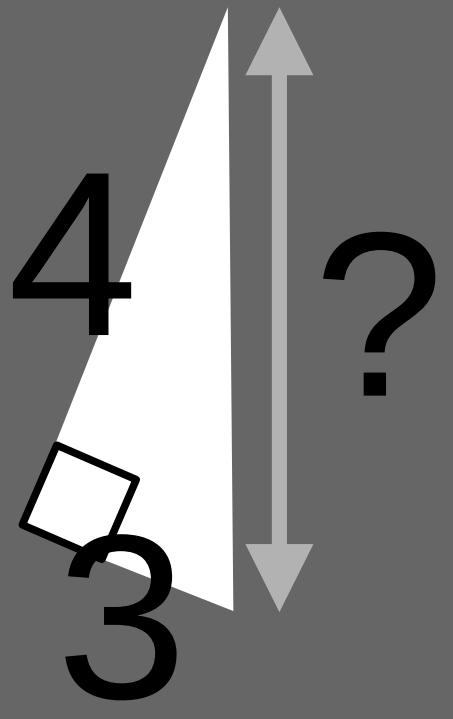
Ting

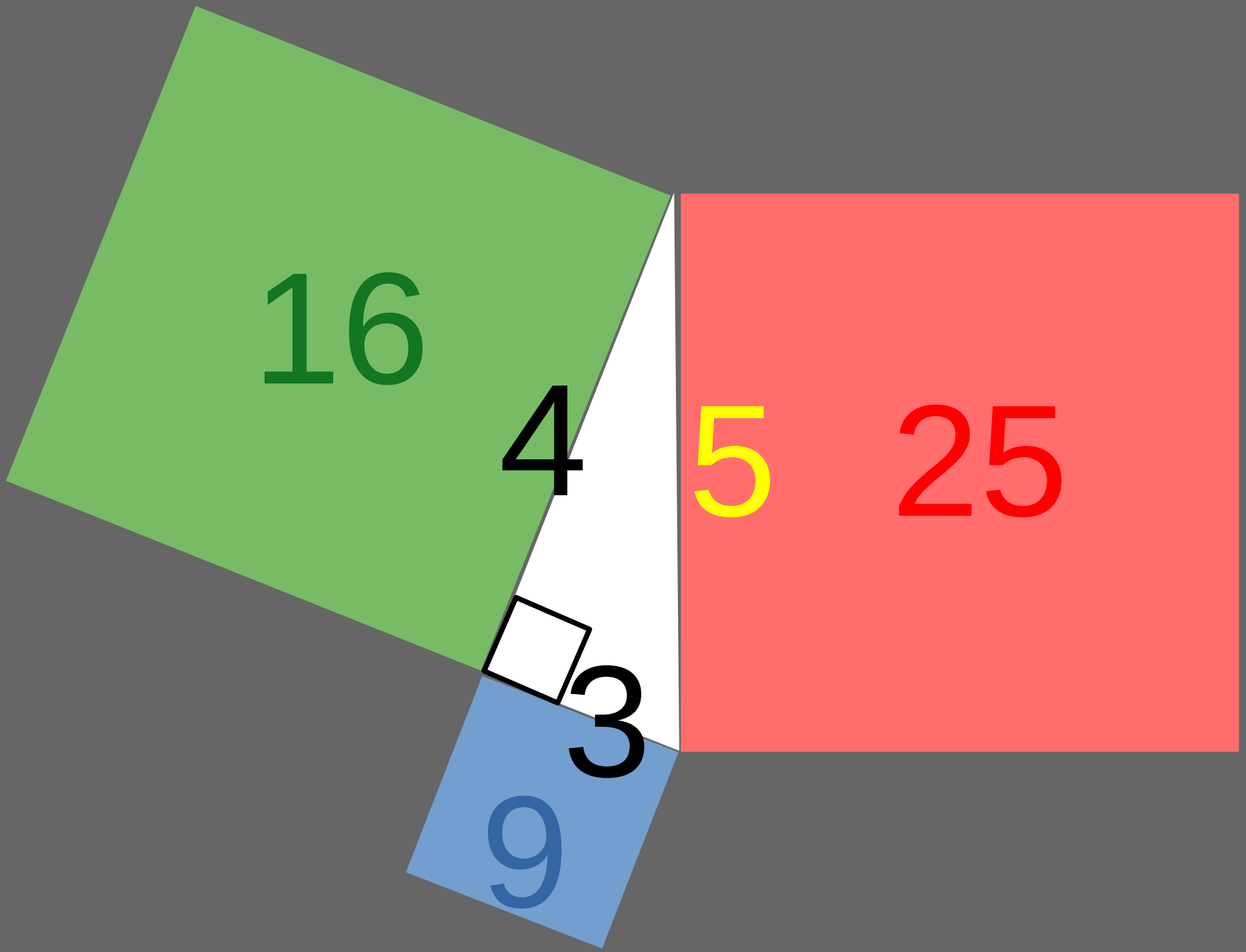
Ting

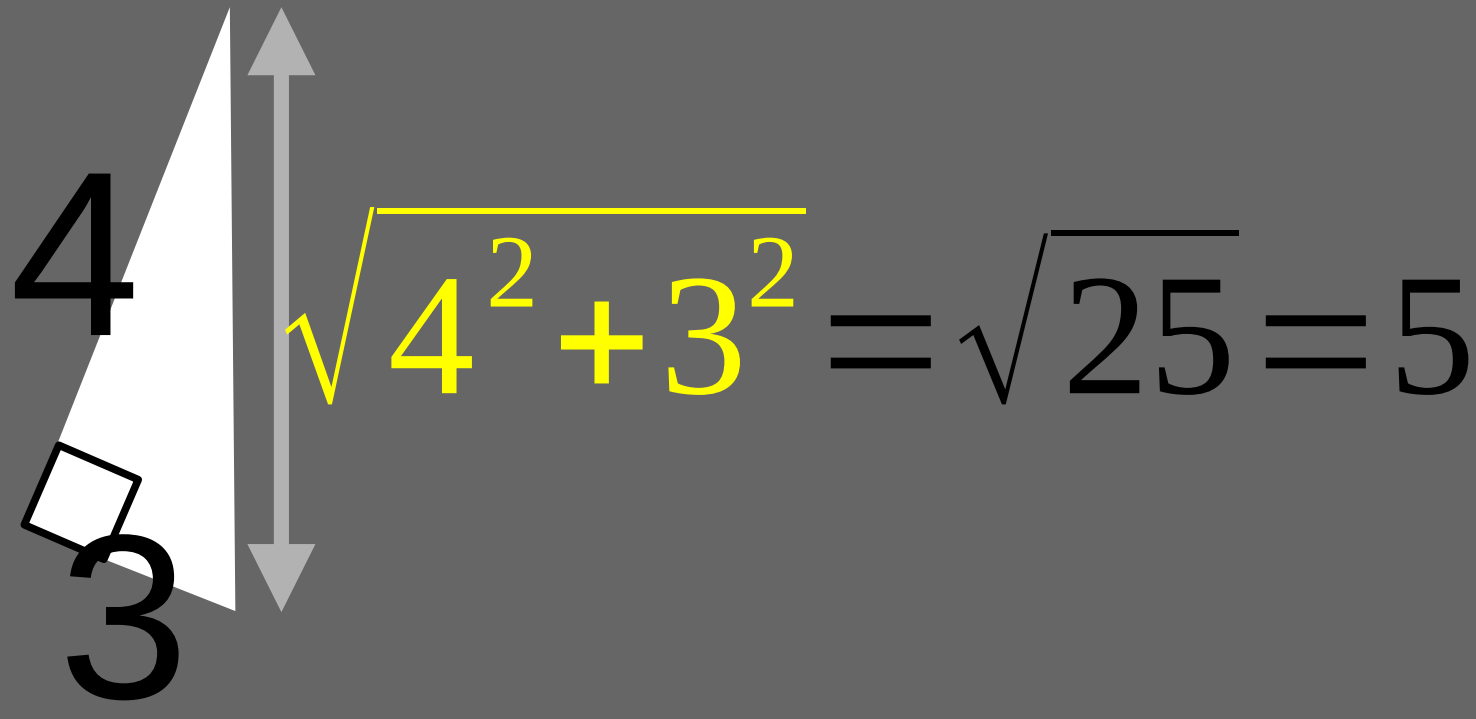
Ting

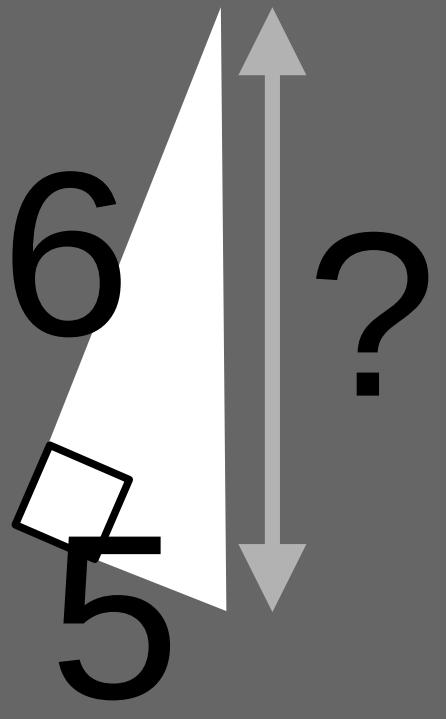
C’est parti !

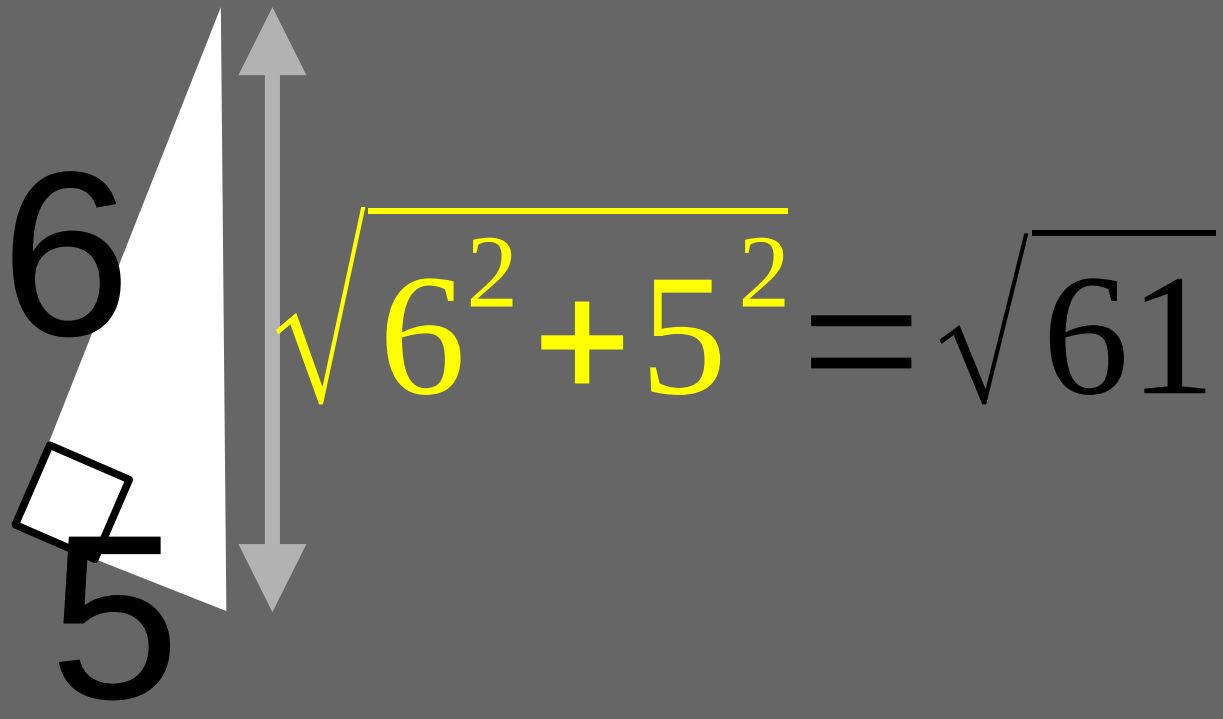
Calcule la longueur manquante

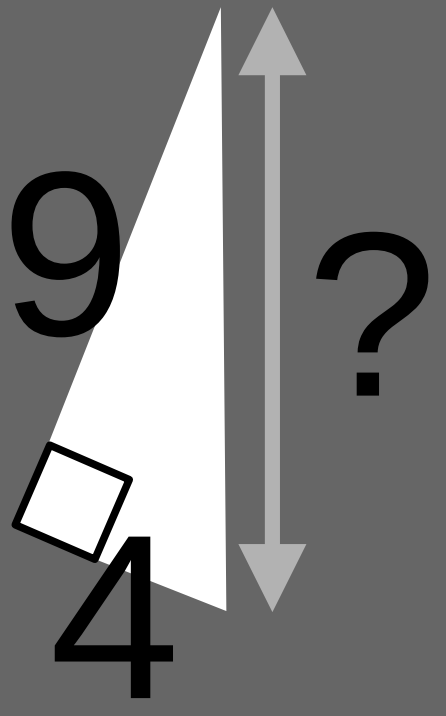

4
?
3

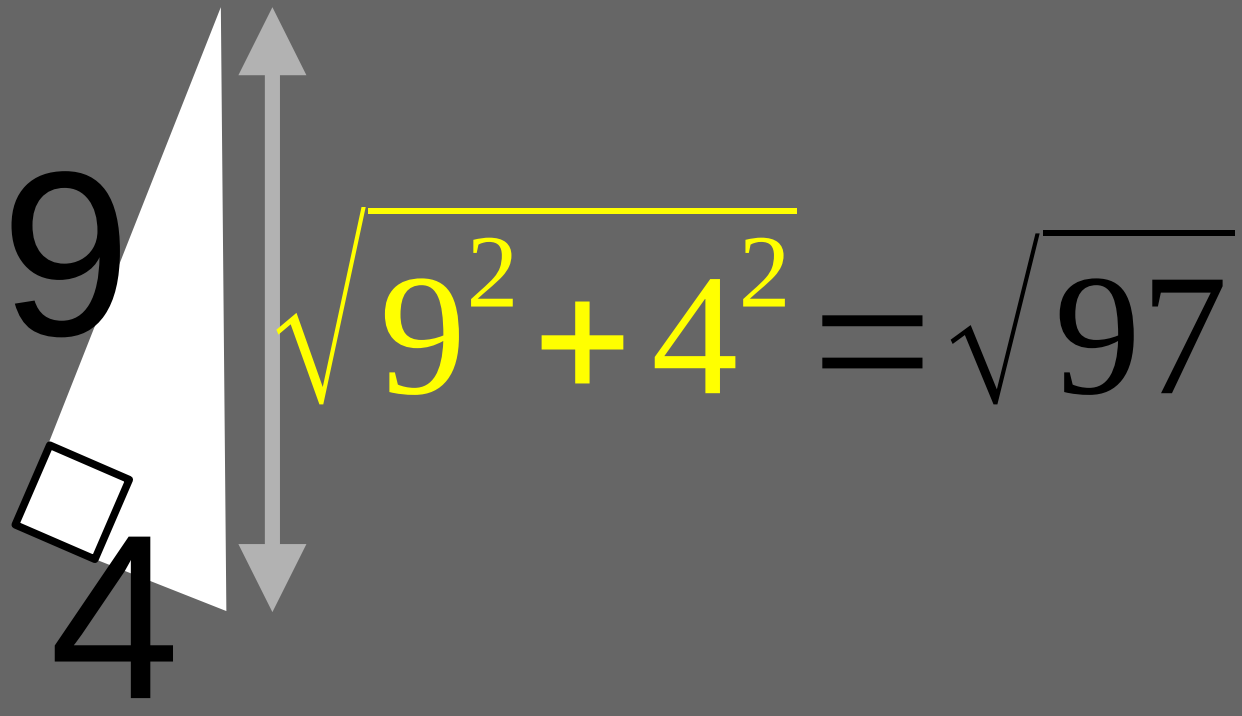

16
4
5
25
3
9

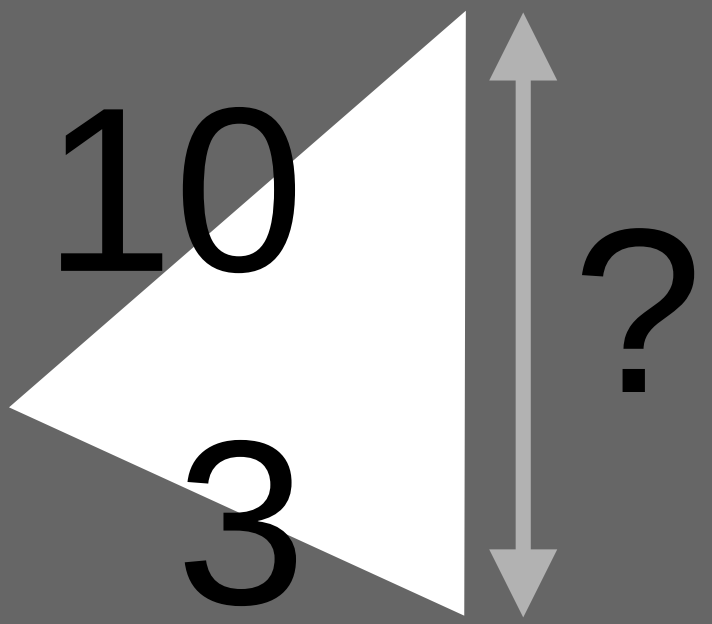

4
3
$\sqrt{4^2+3^2}=\sqrt{25}=5$

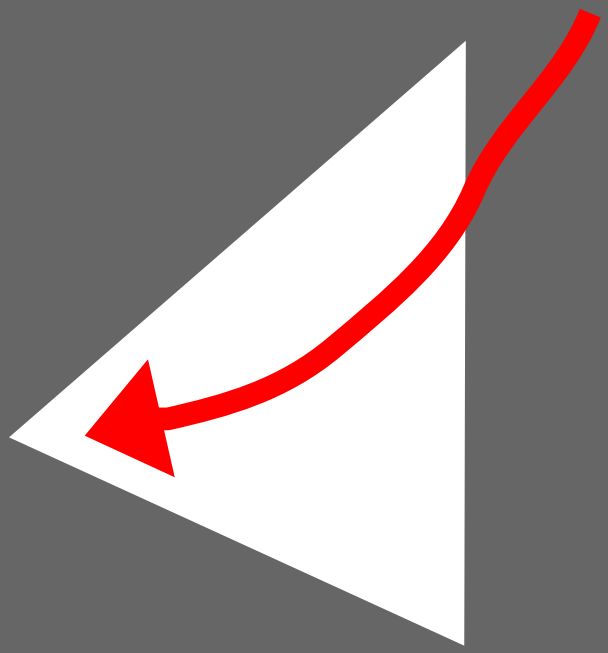

6
?
5


6
5
$\sqrt{6^2+5^2}=\sqrt{61}$


9
?
4

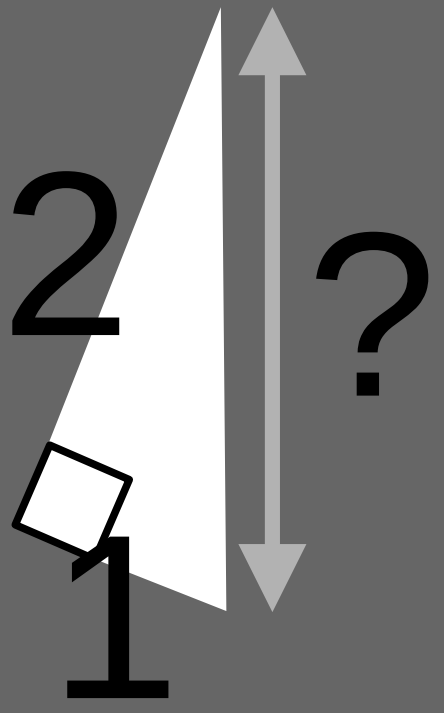

9
4
$\sqrt{9^2+4^2}=\sqrt{97}$

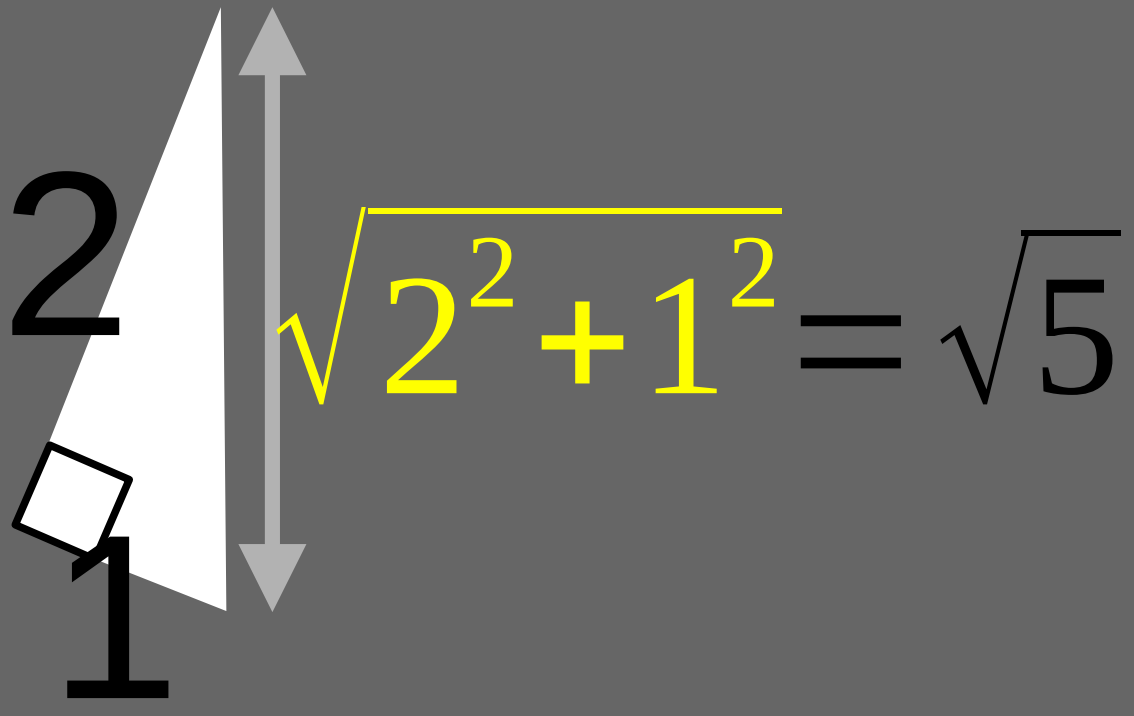

10
3
?

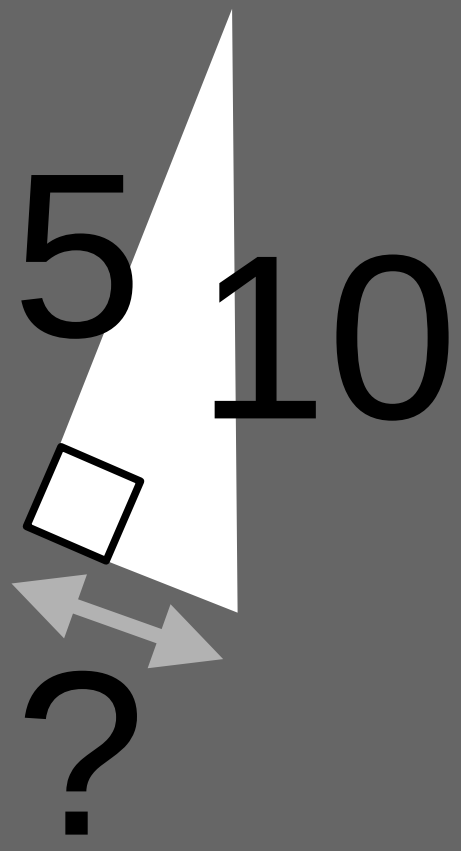


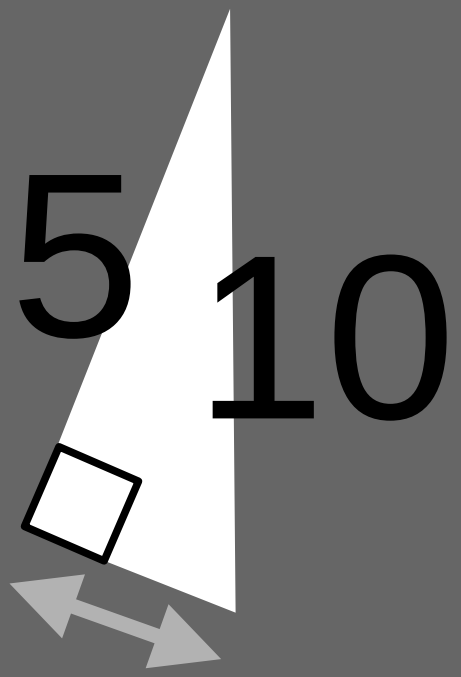
Pas d’angle droit :

on ne peut pas utiliser le théorème

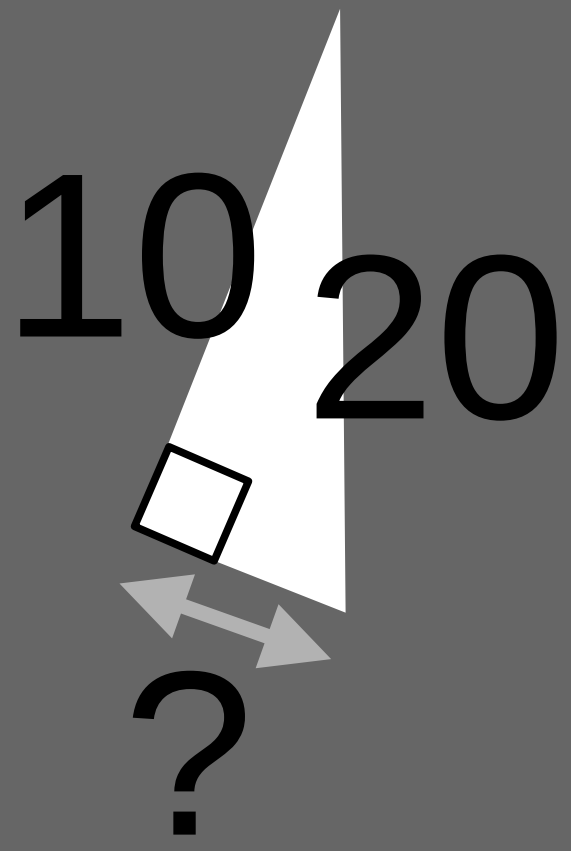

2
?
1

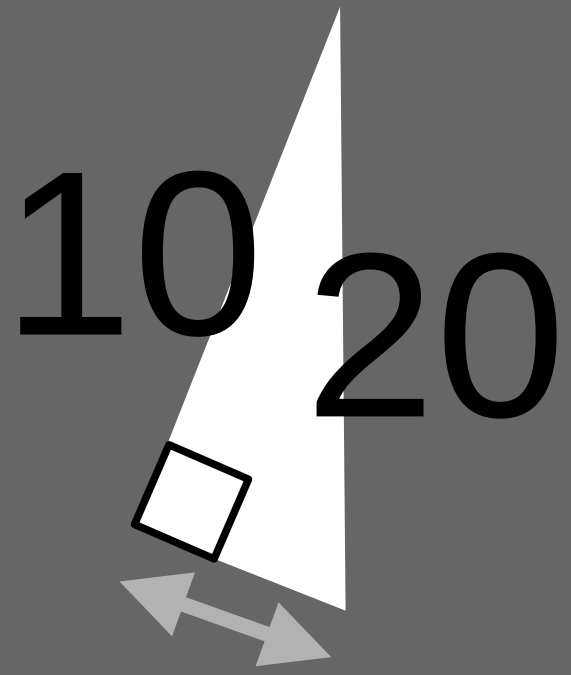

2
1
$\sqrt{2^2+1^2}=\sqrt{5}$


5
10
?

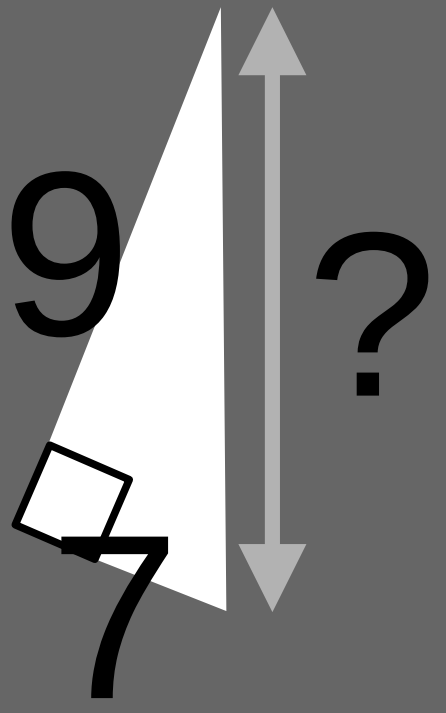


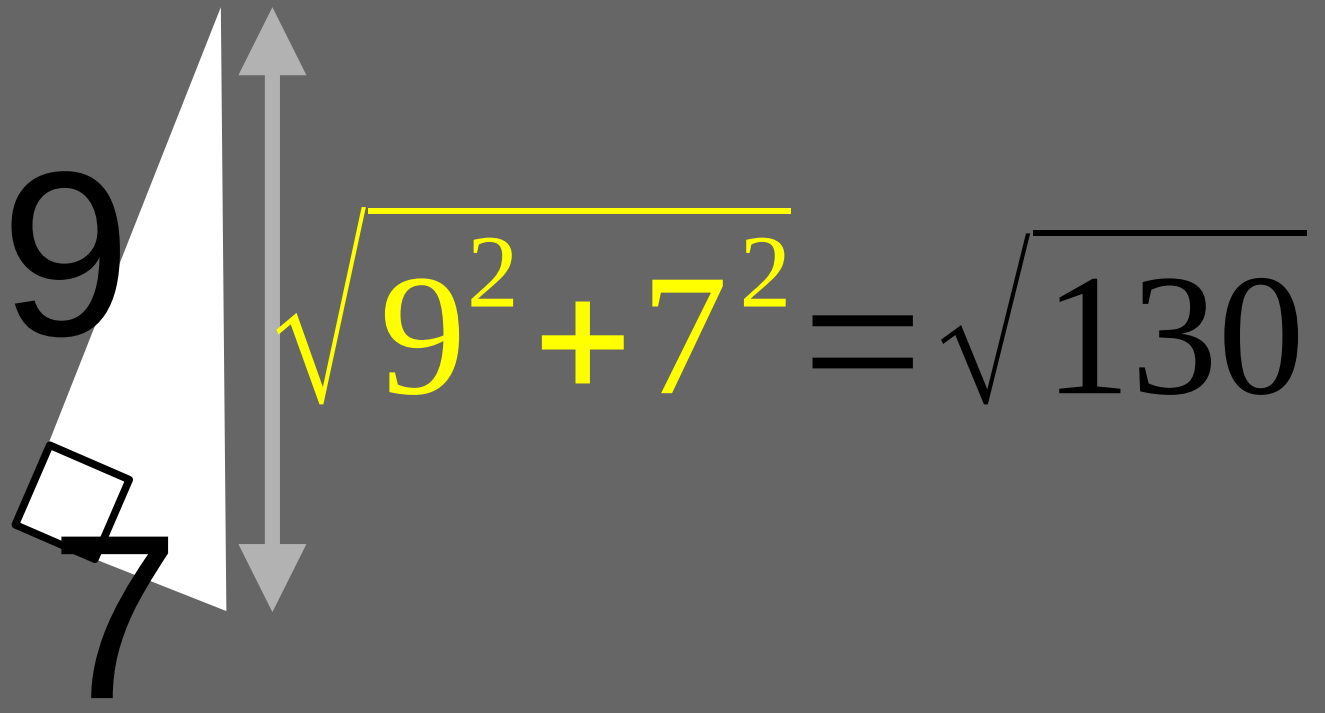
$$\sqrt{10^2-5^2}=\sqrt{75}$$

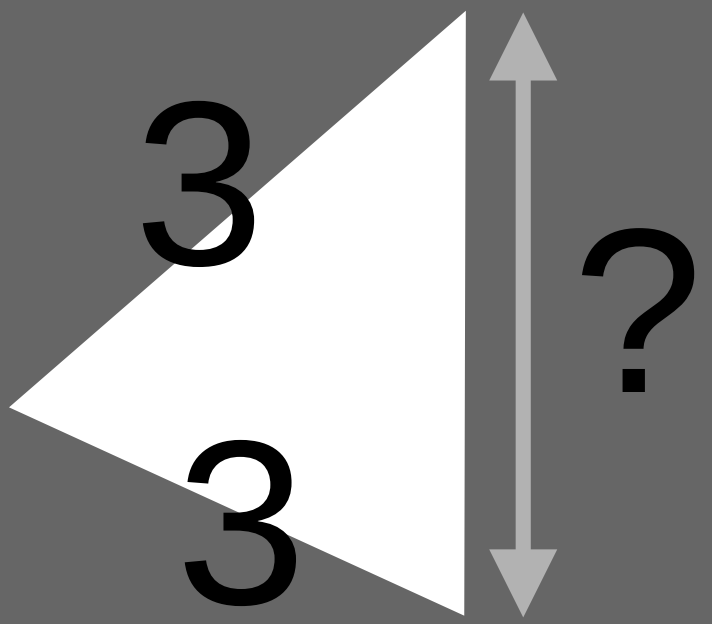

10
20
?

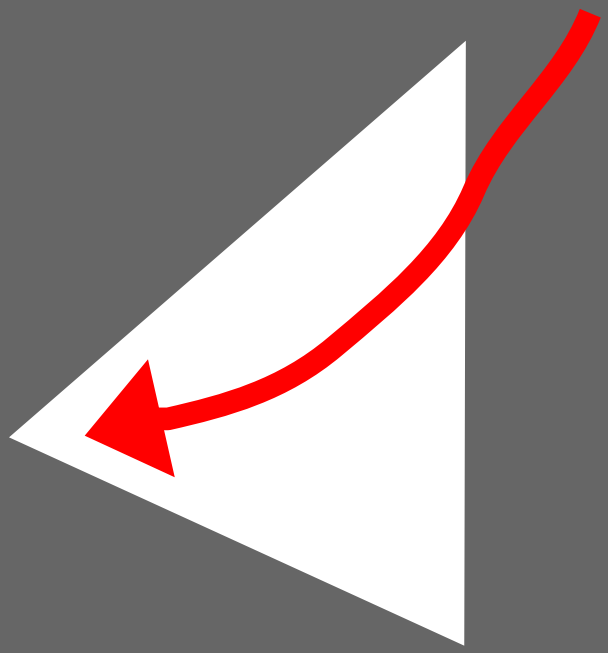


$$\sqrt{20^2 - 10^2} = \sqrt{300}$$


9
?
7

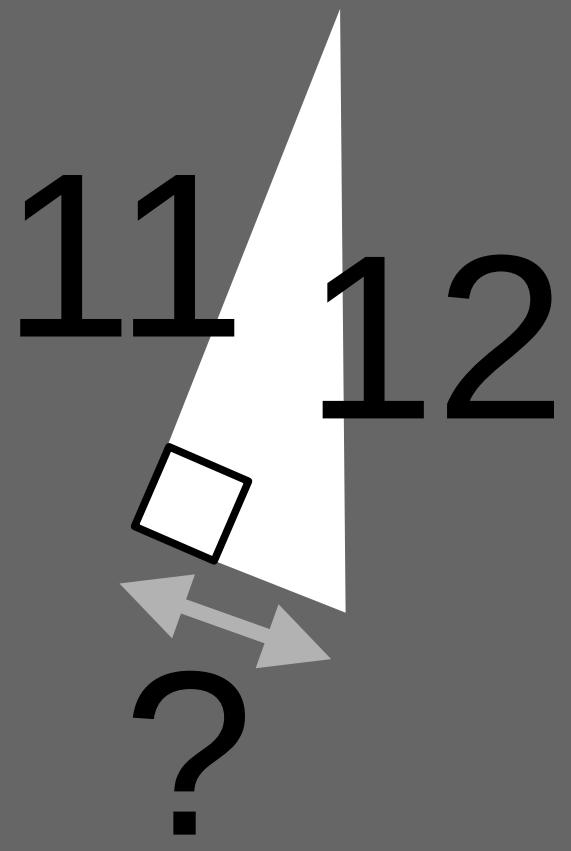

9
7
$\sqrt{9^2+7^2}=\sqrt{130}$

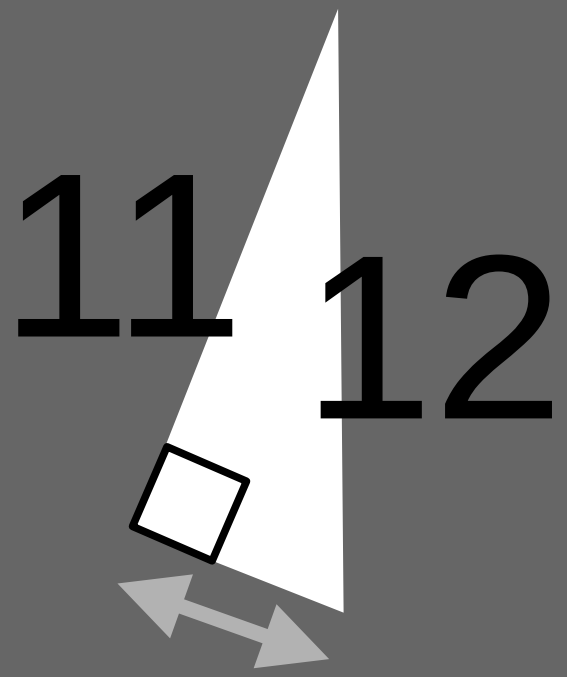

3
3
?



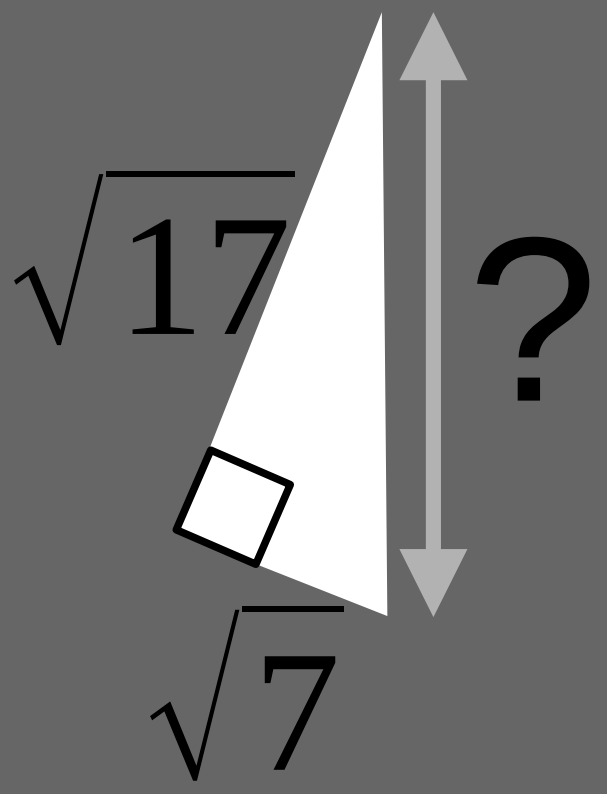
Pas d’angle droit :

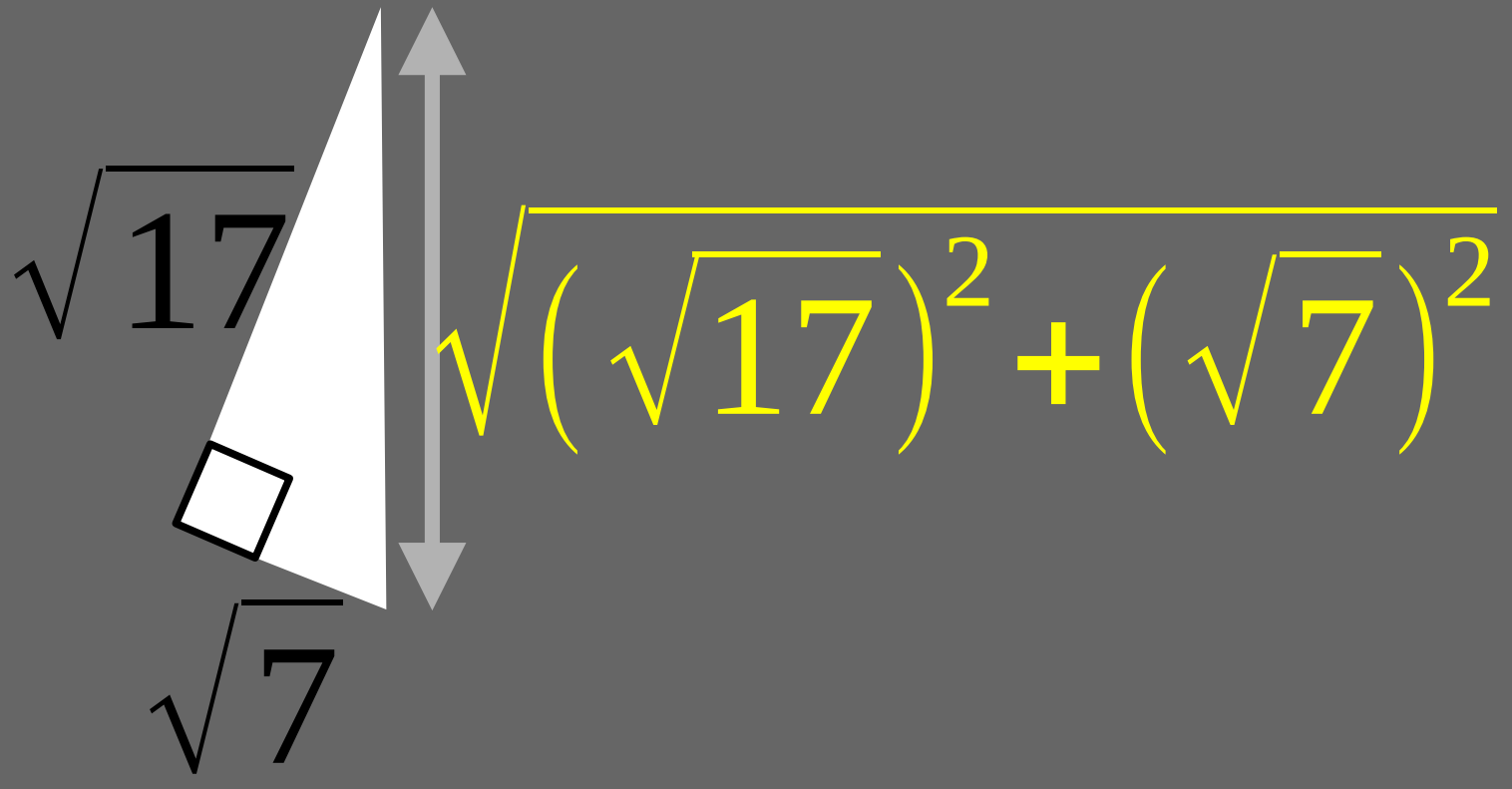
on ne peut pas utiliser le théorème

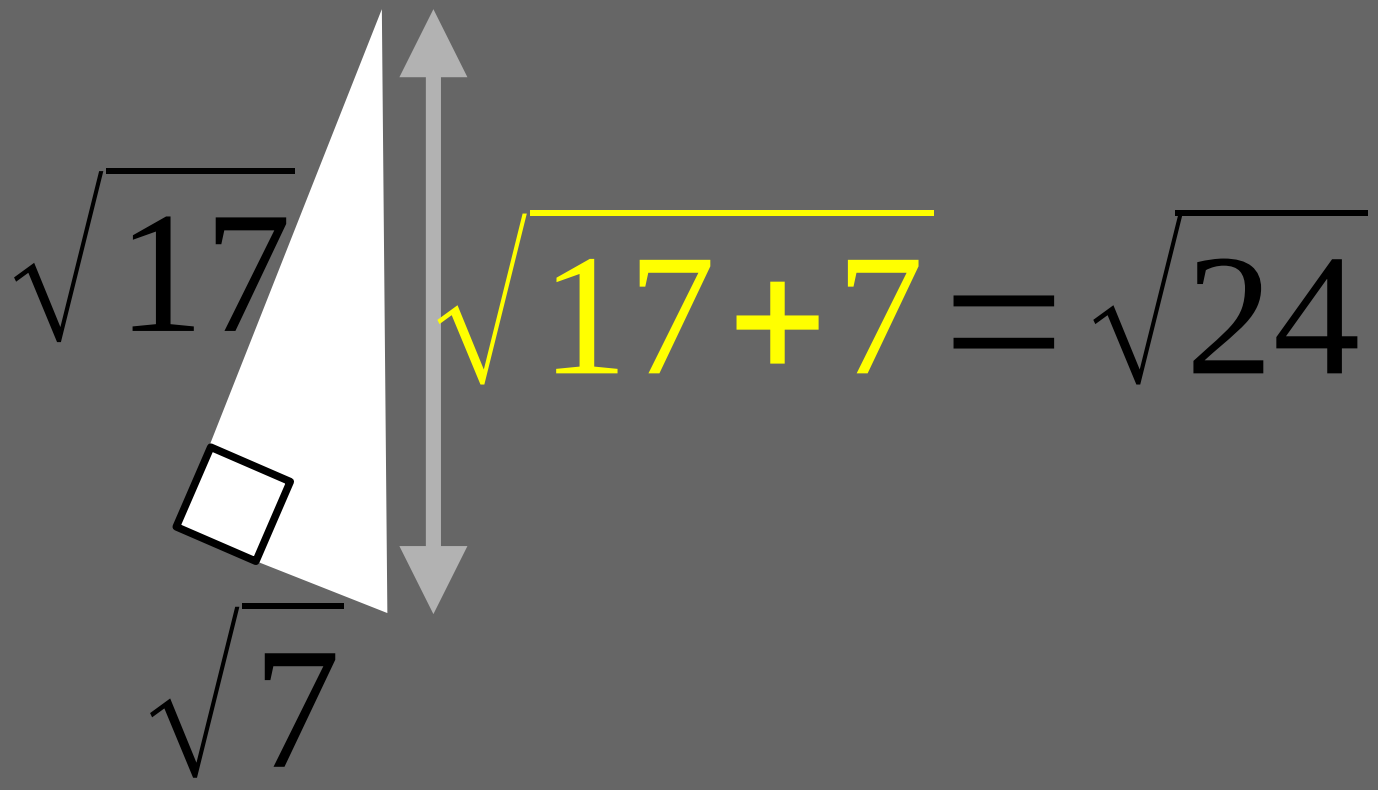

11
12
?

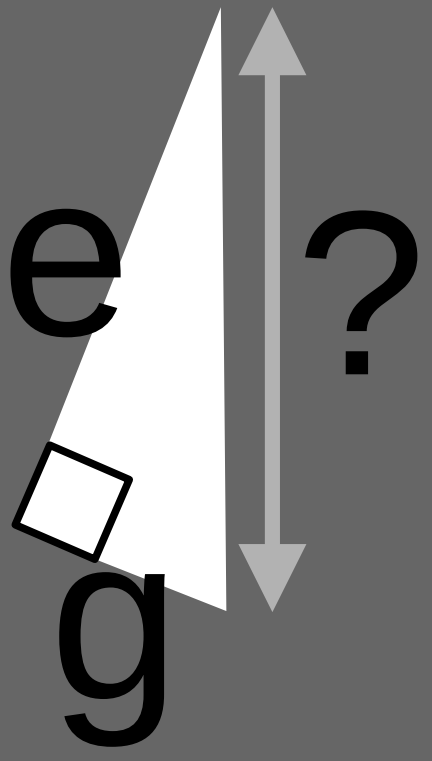


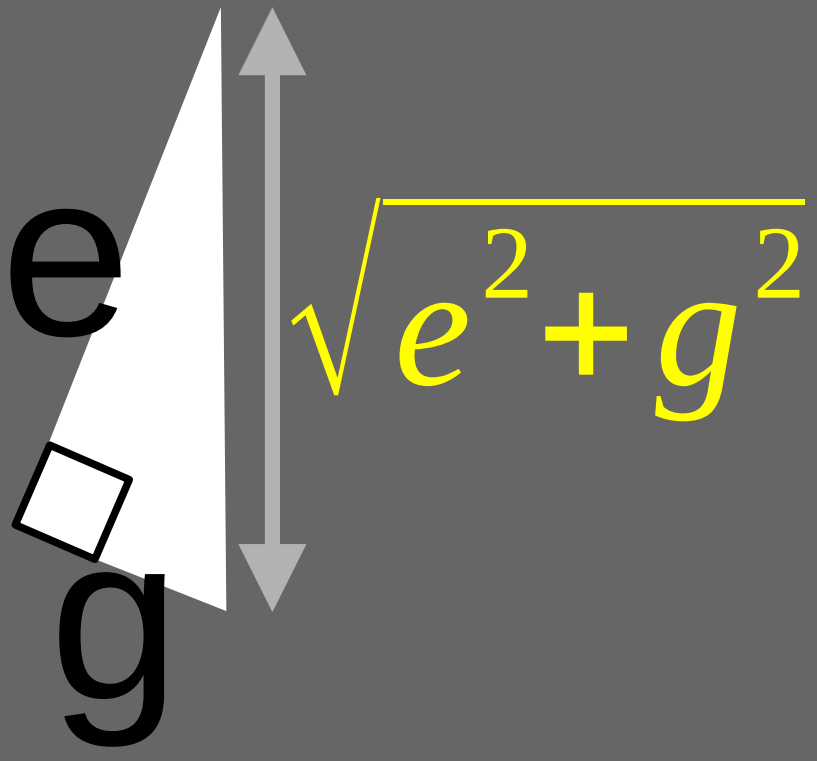
$$\sqrt{12^2-11^2}=\sqrt{23}$$


$\sqrt{17}$
?
$\sqrt{7}$

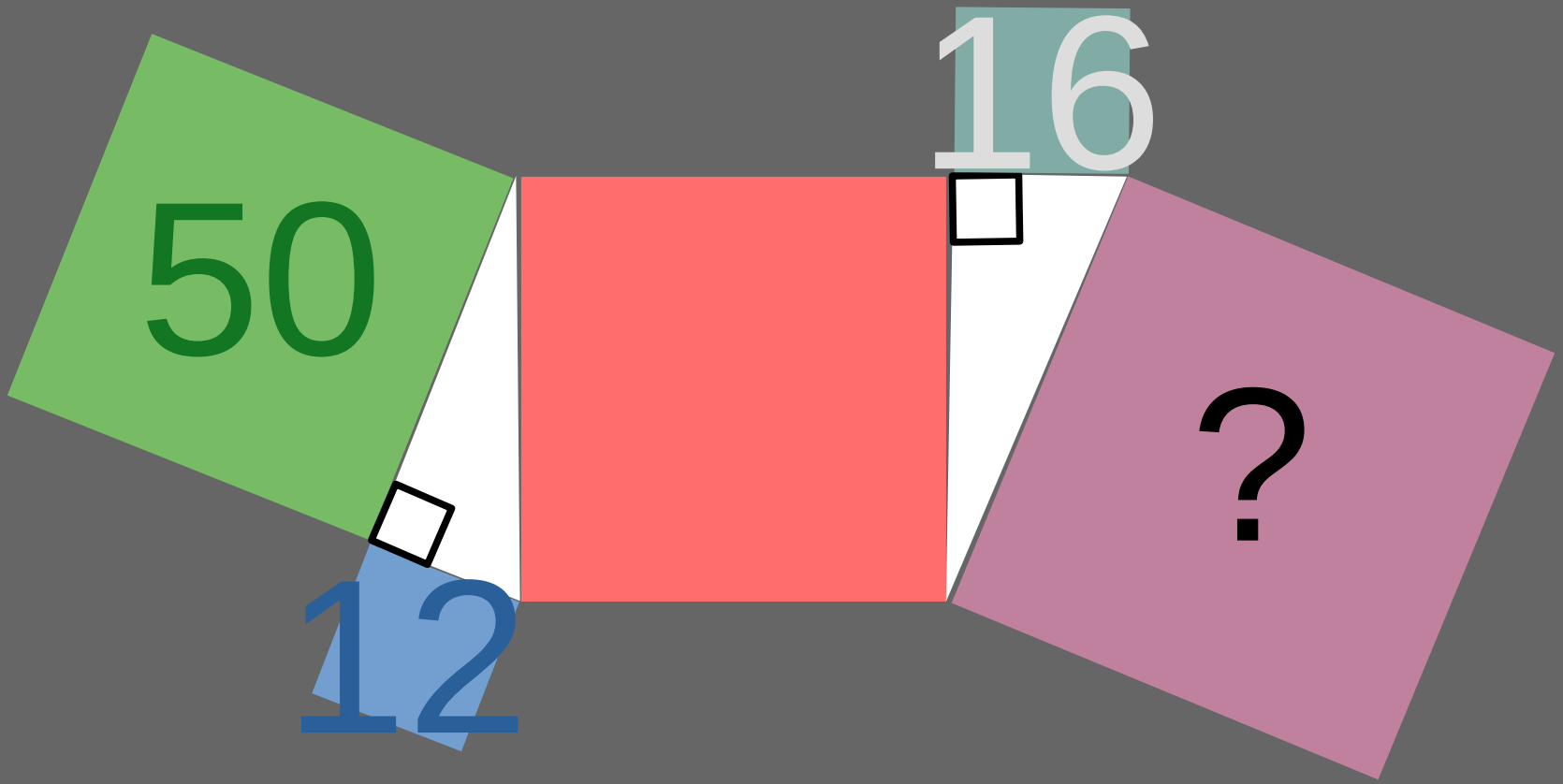

$\sqrt{17}$
$\sqrt{7}$
$\sqrt{(\sqrt{17})^2+(\sqrt{7})^2}$

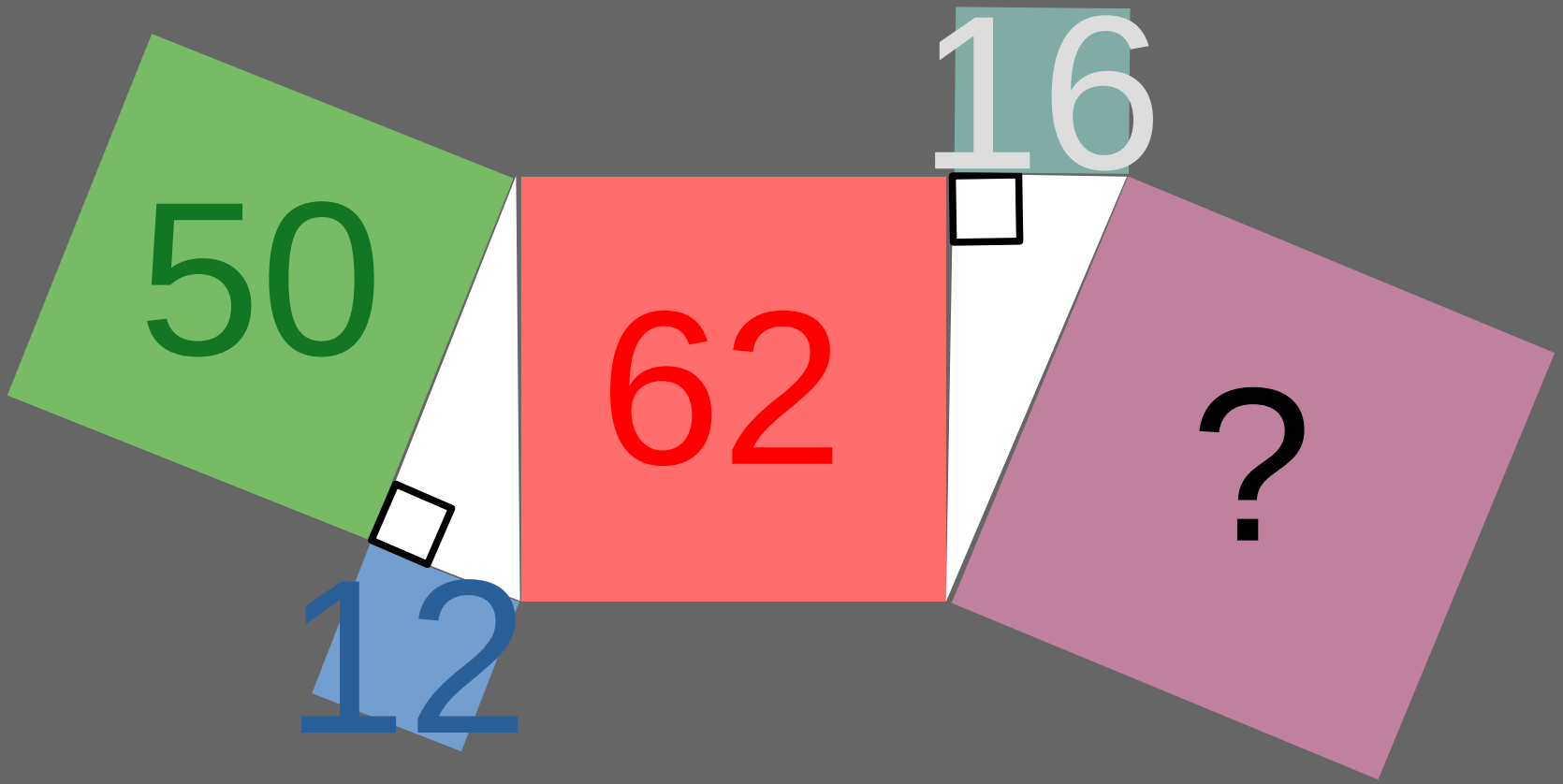

$\sqrt{17}$
$\sqrt{17+7}=\sqrt{24}$
$\sqrt{7}$

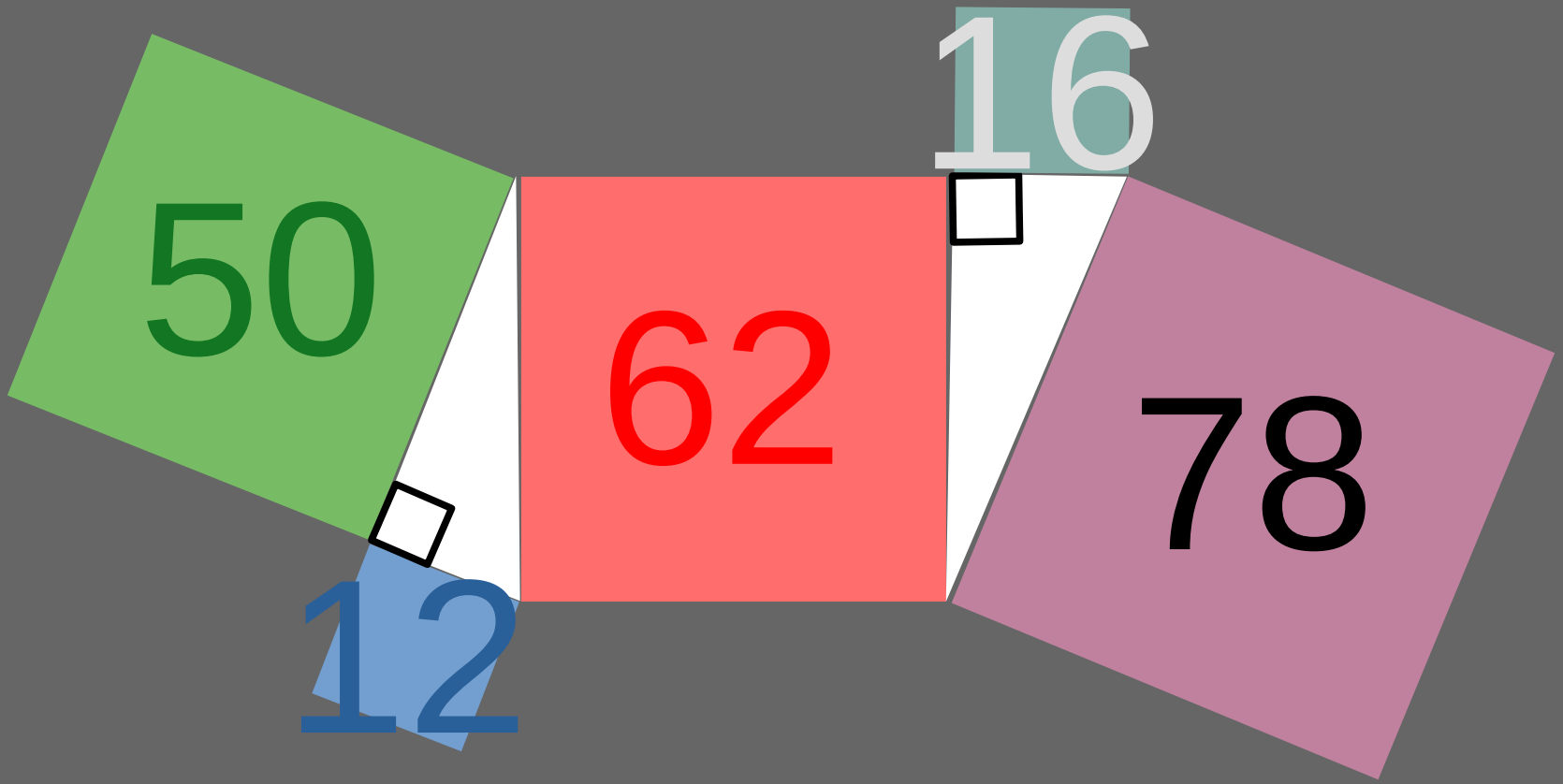

e
?
g

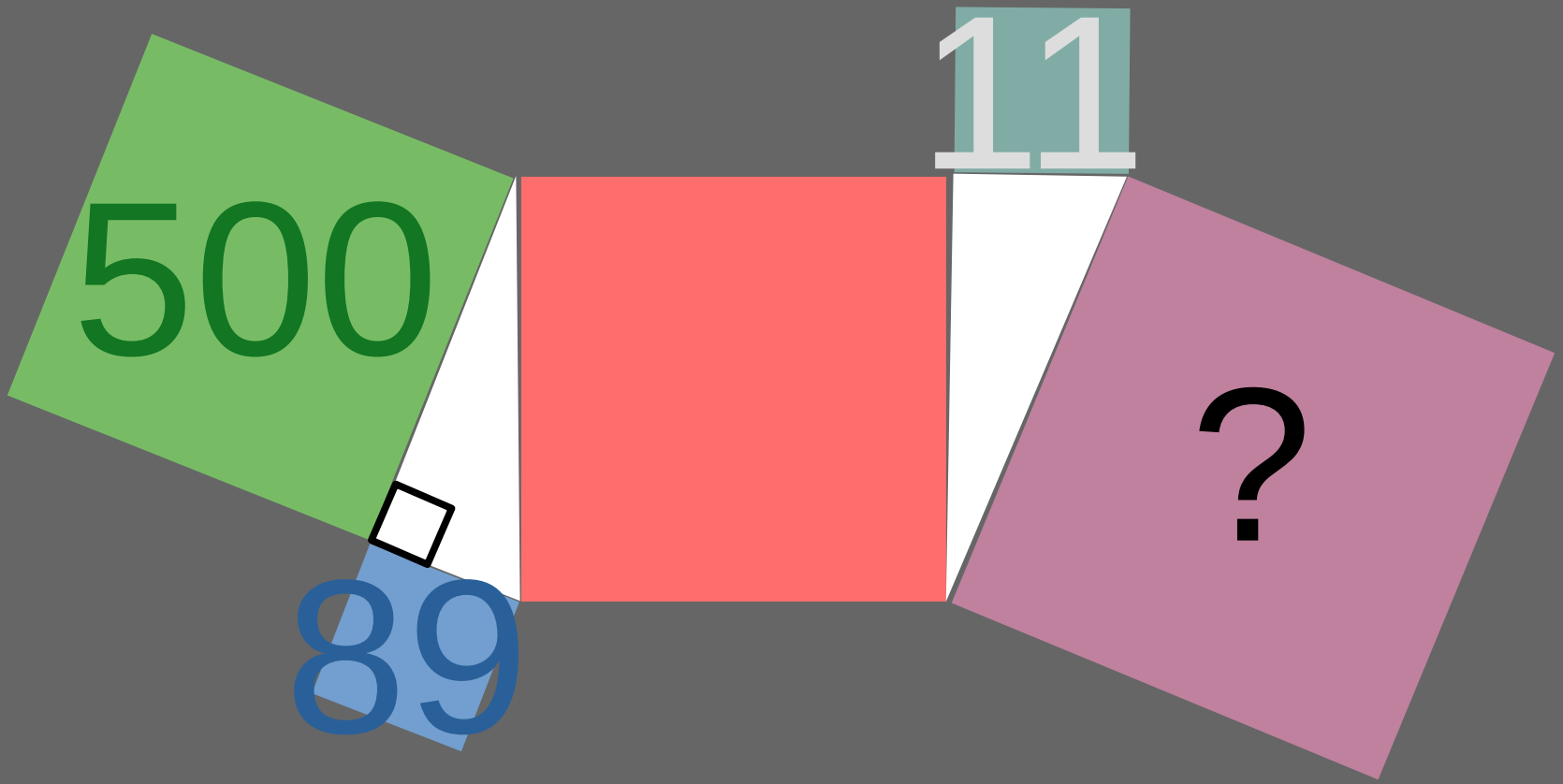

e
g
$\sqrt{e^2+g^2}$

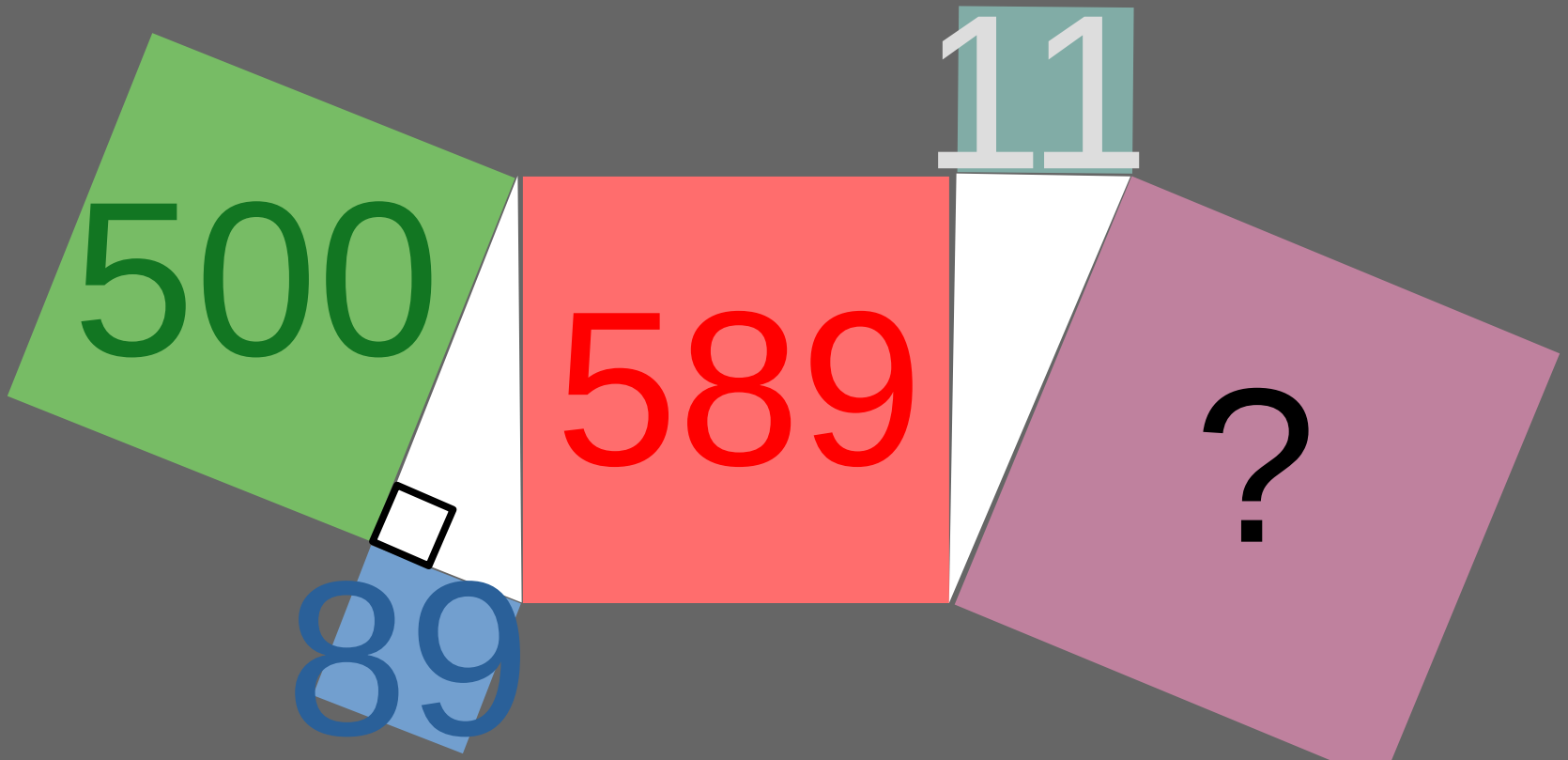
Défis

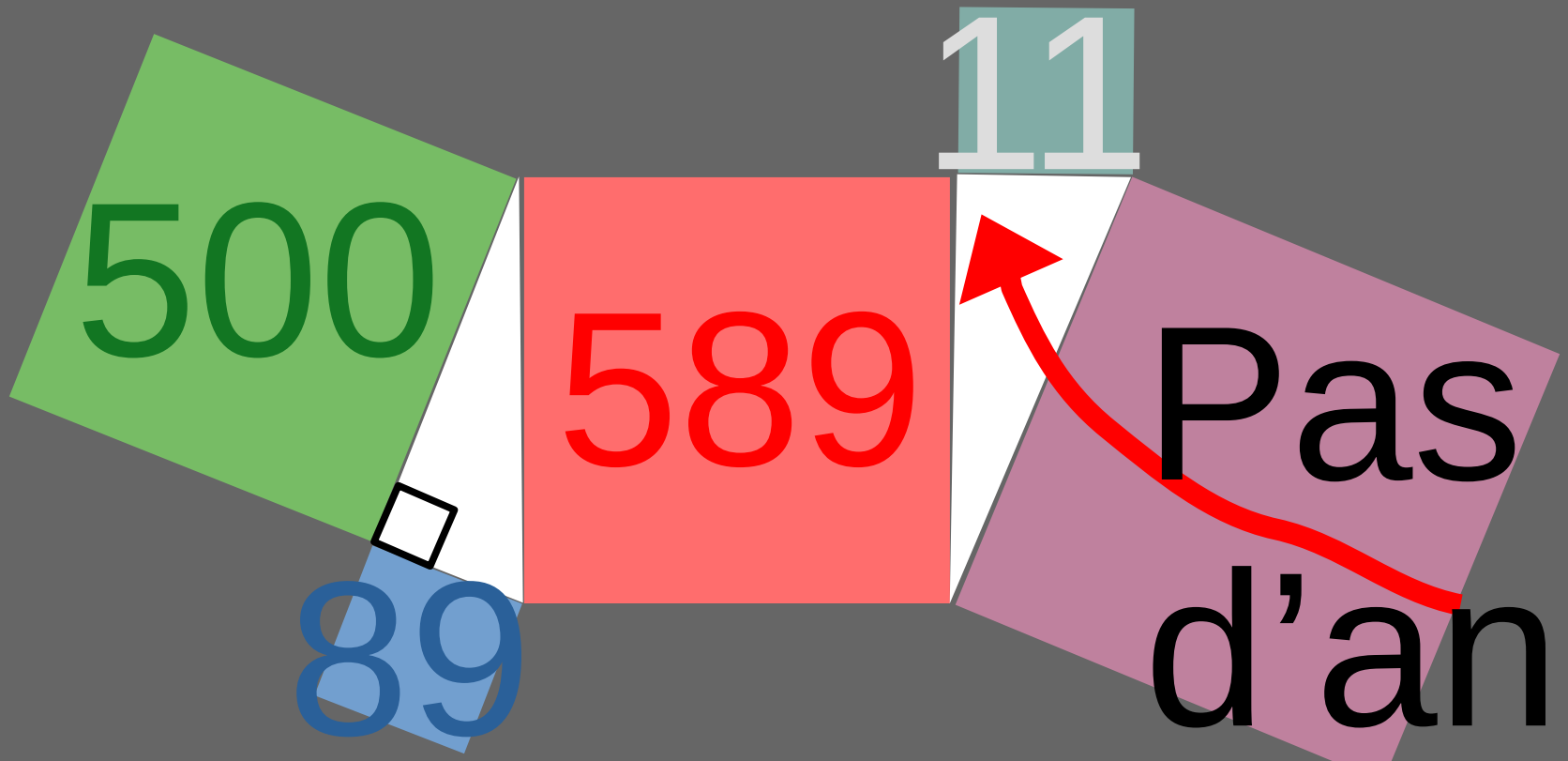

16
50
?
12

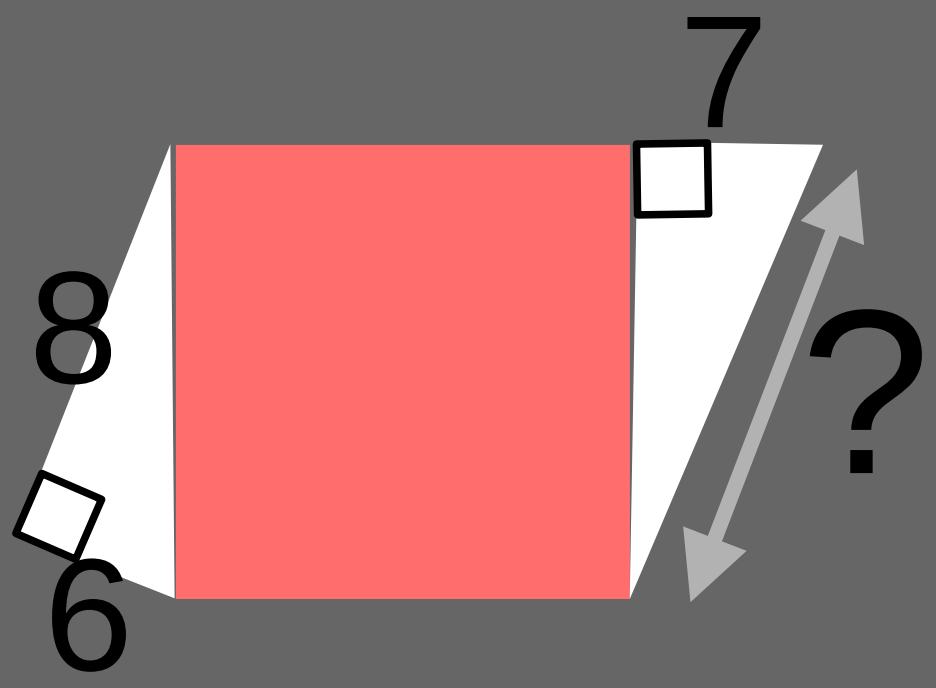

50
62
16
12
?

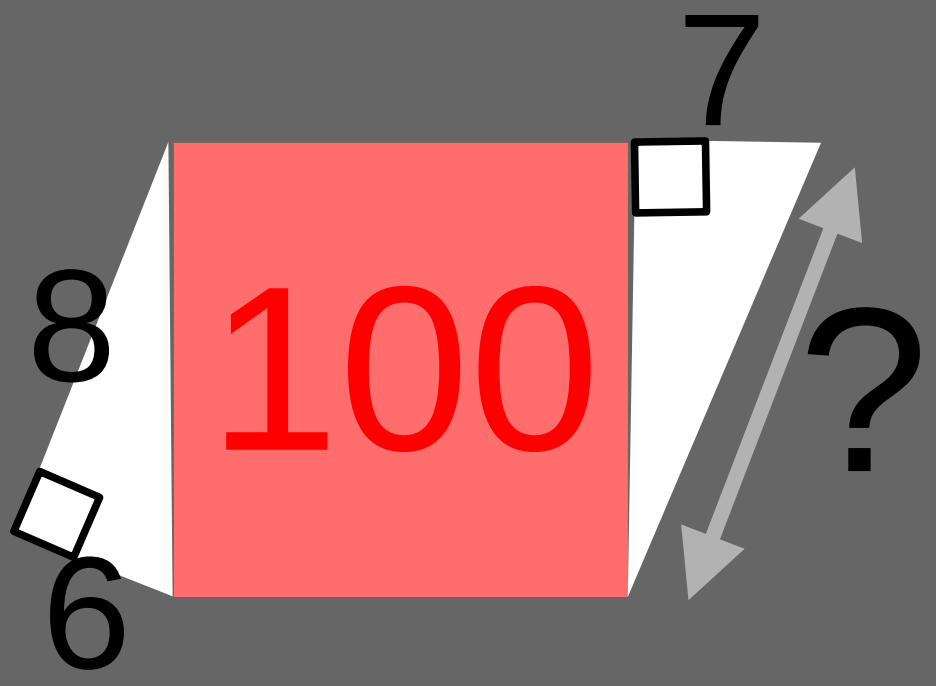

50
62
16
78
12

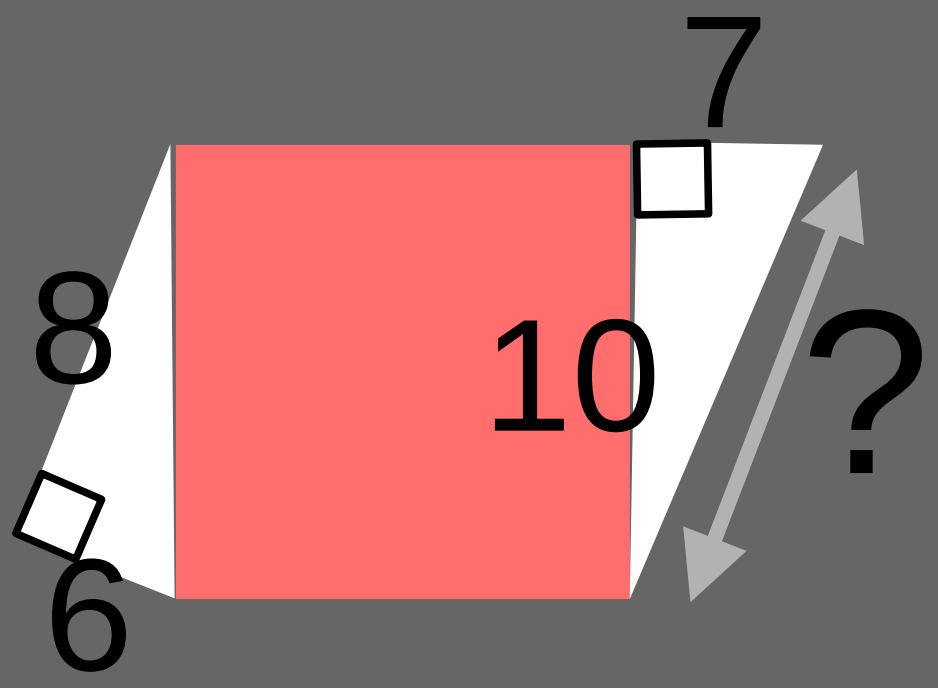

500
11
89
?

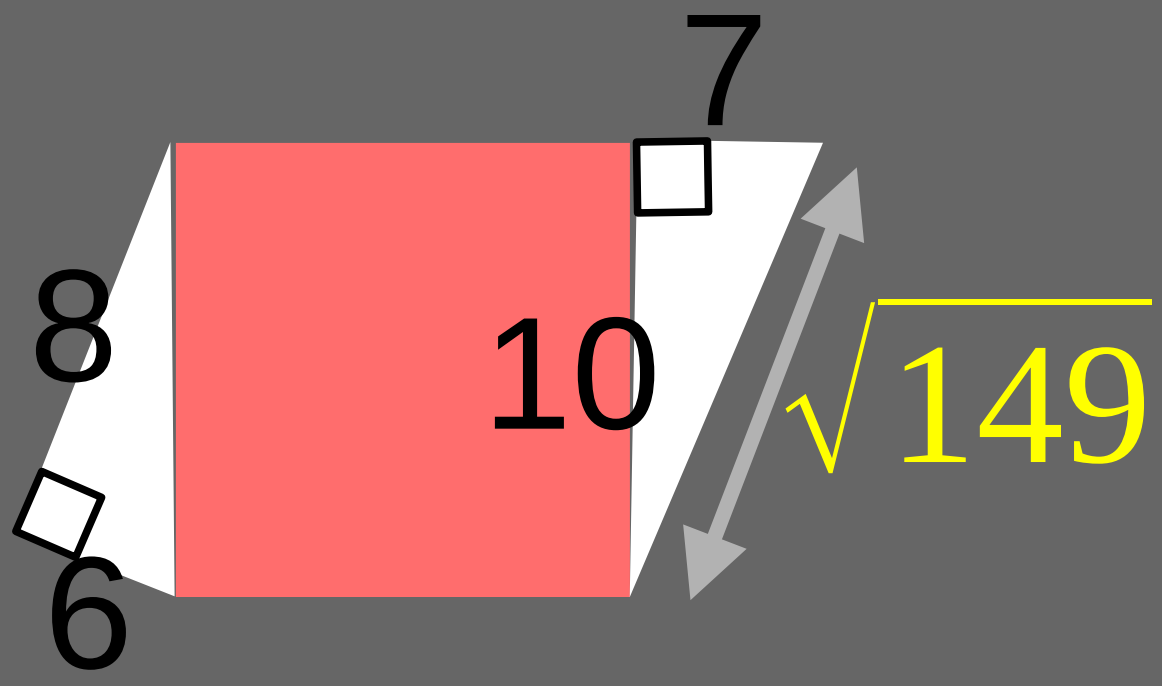

500
11
589
?
89

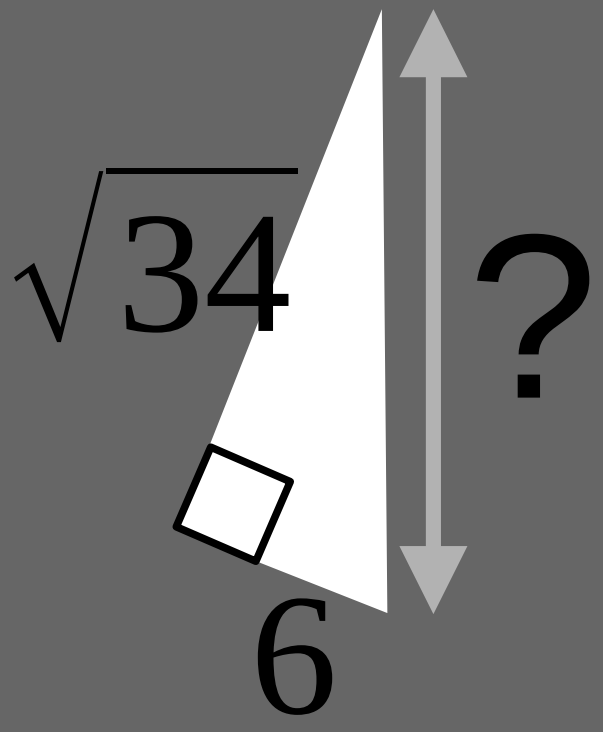

500
589
11
89
Pas d’angle droit !

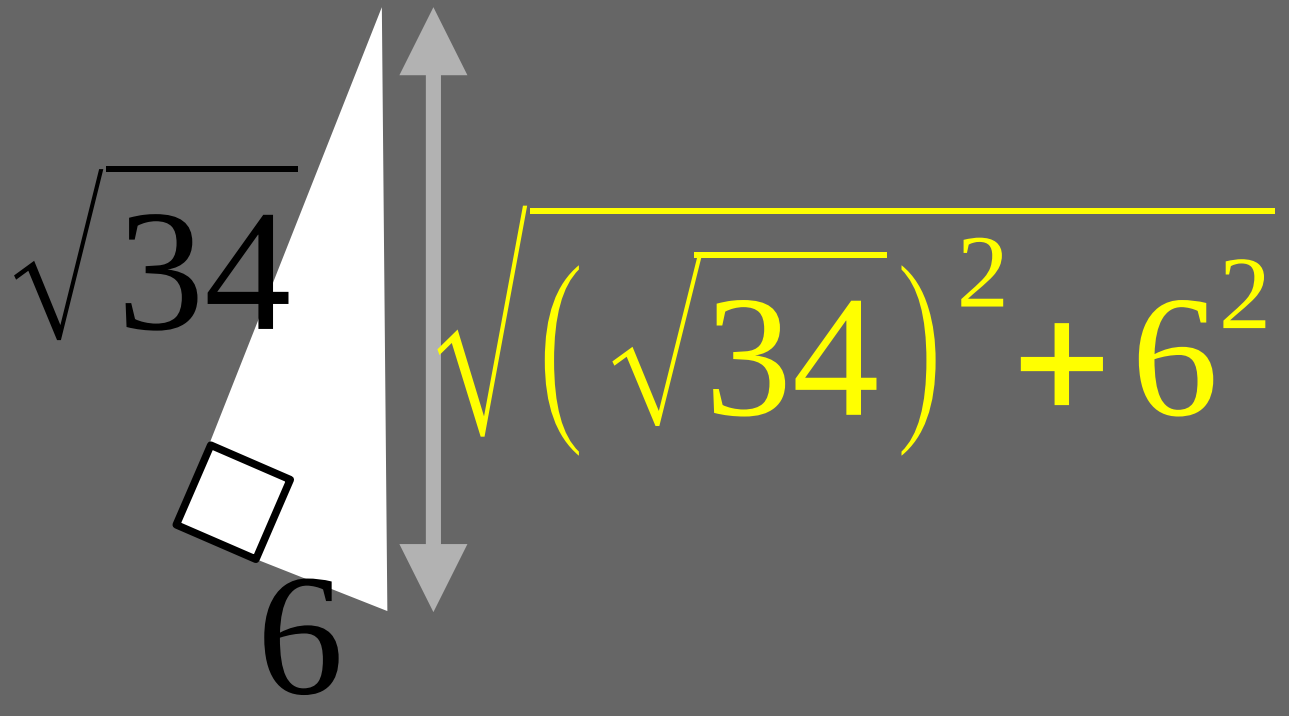

7
8
?
6

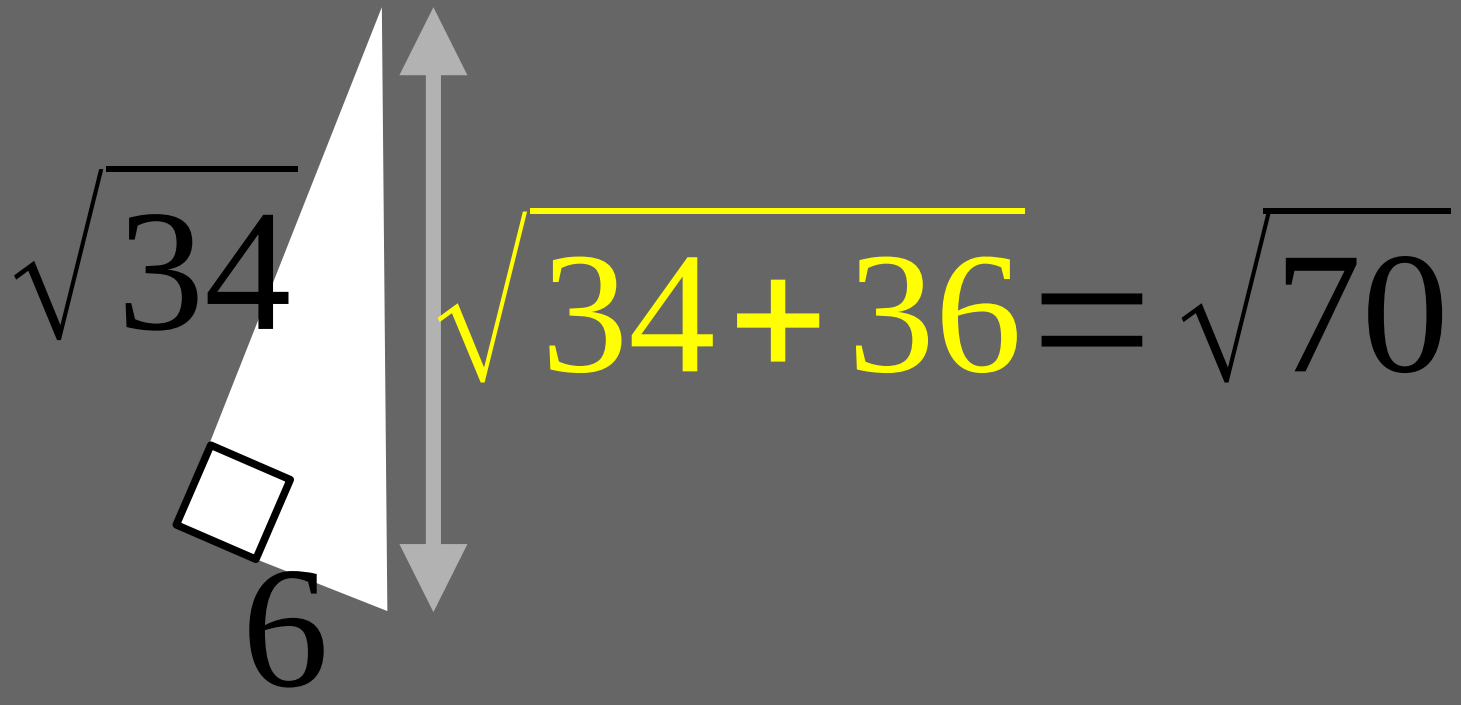

7
8
100
?
6


7
8
10
?
6


7
8
10
$\sqrt{149}$
6


$\sqrt{34}$
?
6


$\sqrt{34}$
6
$\sqrt{\left(\sqrt{34}\right)^2+6^2}$


$\sqrt{34}$
6
$\sqrt{34+36}=\sqrt{70}$

Bien joué !