

Nom : \_\_\_\_\_

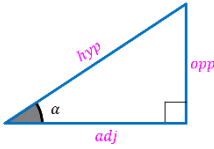
MATH 9



**MOCK  
Test 3**

**Sinus, cosinus et tangente**

**Exercise 1 (7 points)** Find missing values (?) by specifying the procedure.



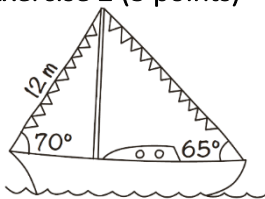
$$\sin \alpha = \frac{\text{opp}}{\text{hyp}}$$

$$\cos \alpha = \frac{\text{adj}}{\text{hyp}}$$

$$\tan \alpha = \frac{\text{opp}}{\text{adj}}$$

a)		? = _____
b)		? = _____
c)		? = _____
d)		? = _____
e)		? = _____
f)		? = _____
g)		? = _____

**Exercise 2 (3 points)** Look at the drawing below and answer by specifying the procedure:



a) Height of the mast?

b) Length of the boat?

c) Total length of the wires?