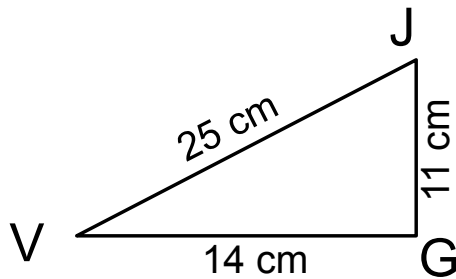
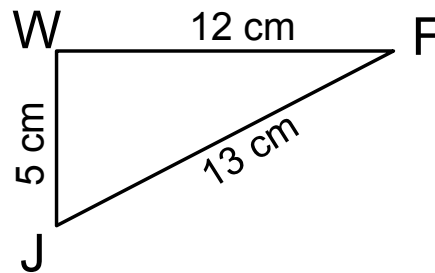


Exercice n° 1 : Déterminer si un triangle est rectangle

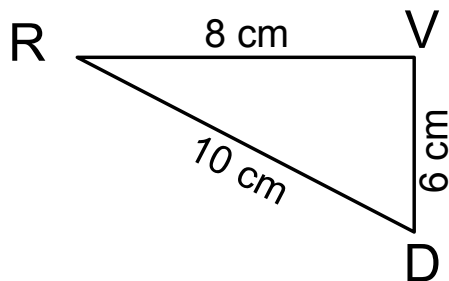
- A) Le triangle  $VJG$  est-il rectangle sachant que  $JG = 11$ ,  $VJ = 25$  et  $VG = 14$  ?



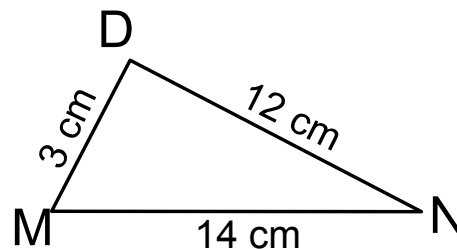
- B) Le triangle  $FJW$  est-il rectangle sachant que  $WF = 12$ ,  $WJ = 5$  et  $JF = 13$  ?



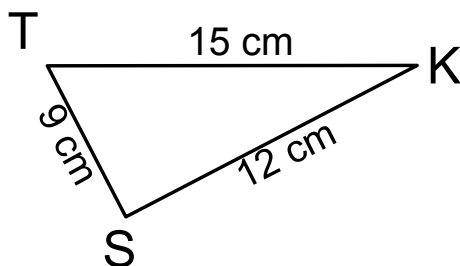
- C) Le triangle  $RDV$  est-il rectangle sachant que  $RD = 10$ ,  $DV = 6$  et  $RV = 8$  ?



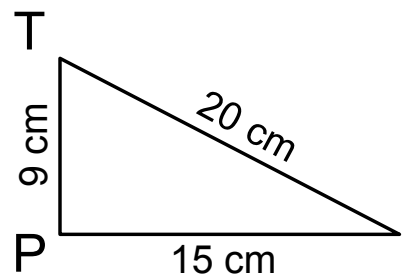
- D) Le triangle  $NMD$  est-il rectangle sachant que  $DN = 12$ ,  $MN = 14$  et  $DM = 3$  ?



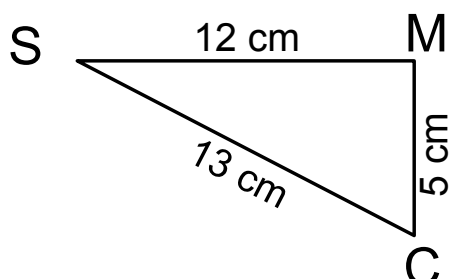
- E) Le triangle  $KTS$  est-il rectangle sachant que  $KS = 12$ ,  $ST = 9$  et  $TK = 15$  ?



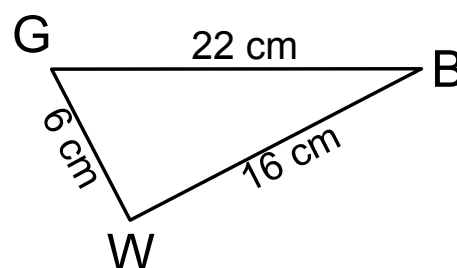
- F) Le triangle  $ITP$  est-il rectangle sachant que  $PI = 15$ ,  $IT = 20$  et  $TP = 9$  ?



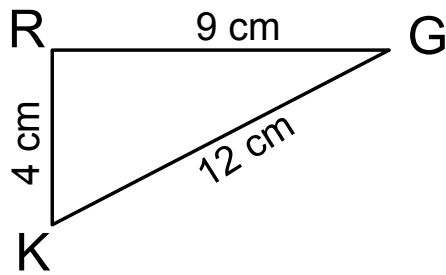
- G) Le triangle  $SCM$  est-il rectangle sachant que  $CM = 5$ ,  $SC = 13$  et  $MS = 12$  ?



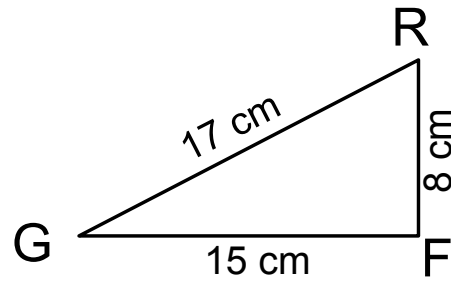
- H) Le triangle  $BGW$  est-il rectangle sachant que  $GB = 22$ ,  $WG = 6$  et  $BW = 16$  ?



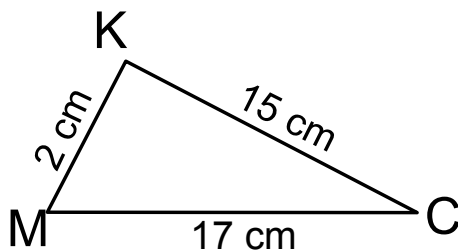
- I) Le triangle  $GKR$  est-il rectangle sachant que  $GR = 9$ ,  $GK = 12$  et  $KR = 4$  ?



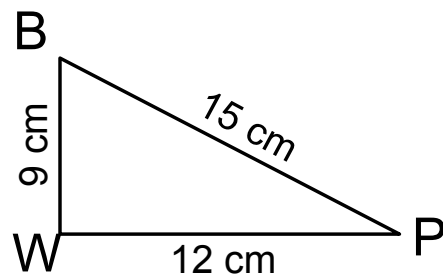
- J) Le triangle  $GRF$  est-il rectangle sachant que  $FR = 8$ ,  $RG = 17$  et  $FG = 15$  ?



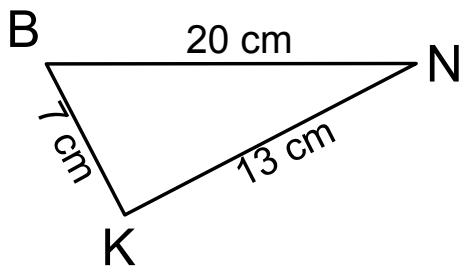
- K) Le triangle  $CMK$  est-il rectangle sachant que  $MC = 17$ ,  $KM = 2$  et  $KC = 15$  ?



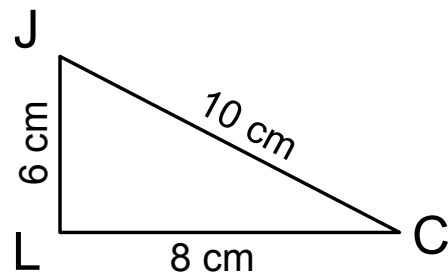
- L) Le triangle  $PBW$  est-il rectangle sachant que  $PW = 12$ ,  $BW = 9$  et  $PB = 15$  ?



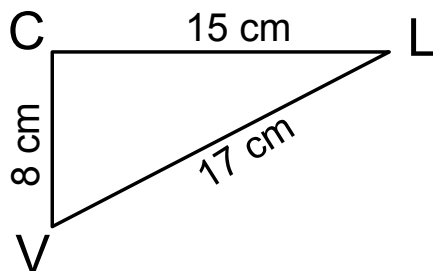
- M) Le triangle  $NBK$  est-il rectangle sachant que  $KB = 7$ ,  $BN = 20$  et  $KN = 13$  ?



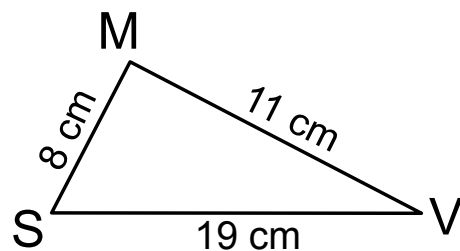
- N) Le triangle  $CJL$  est-il rectangle sachant que  $CL = 8$ ,  $JL = 6$  et  $CJ = 10$  ?



- O) Le triangle  $LVC$  est-il rectangle sachant que  $LV = 17$ ,  $VC = 8$  et  $CL = 15$  ?



- P) Le triangle  $VSM$  est-il rectangle sachant que  $VM = 11$ ,  $SV = 19$  et  $MS = 8$  ?



## Correction des exercices

### Exercice n° 1 : Déterminer si un triangle est rectangle

- A) **Non**, car  $11^2 + 14^2 \neq 25^2$     B) **Oui**, car  $5^2 + 12^2 = 13^2$   
C) **Oui**, car  $6^2 + 8^2 = 10^2$     D) **Non**, car  $3^2 + 12^2 \neq 14^2$   
E) **Oui**, car  $9^2 + 12^2 = 15^2$     F) **Non**, car  $9^2 + 15^2 \neq 20^2$   
G) **Oui**, car  $5^2 + 12^2 = 13^2$     H) **Non**, car  $6^2 + 16^2 \neq 22^2$   
I) **Non**, car  $4^2 + 9^2 \neq 12^2$     J) **Oui**, car  $8^2 + 15^2 = 17^2$   
K) **Non**, car  $2^2 + 15^2 \neq 17^2$     L) **Oui**, car  $9^2 + 12^2 = 15^2$   
M) **Non**, car  $7^2 + 13^2 \neq 20^2$     N) **Oui**, car  $6^2 + 8^2 = 10^2$   
O) **Oui**, car  $8^2 + 15^2 = 17^2$     P) **Non**, car  $8^2 + 11^2 \neq 19^2$