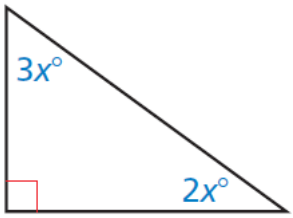
مصطفى عبد العزيز
مدرسة الحصـــن الثانويـــة

1) Find the value of x

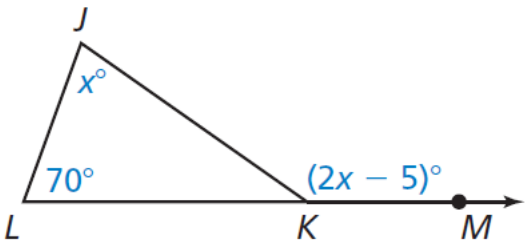


A) 15 B) 18 C) 17 D) 20

2)Find the measure of the exterior angle of the given triangle

$m\angle JKM$ =

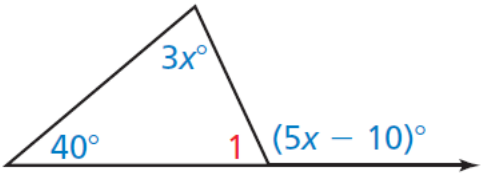
A) 140^0
B) 160^0
C) 145^0
D) 130^0



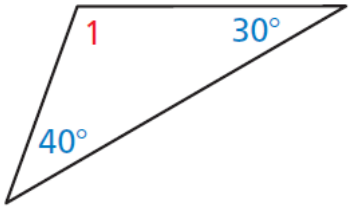
3)Find

$m\angle 1$ = ____

A) 70^0
B) 65^0
C) 75^0
D) 55^0



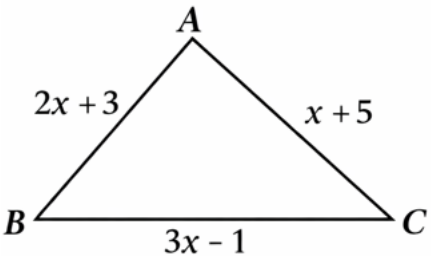
4)Find

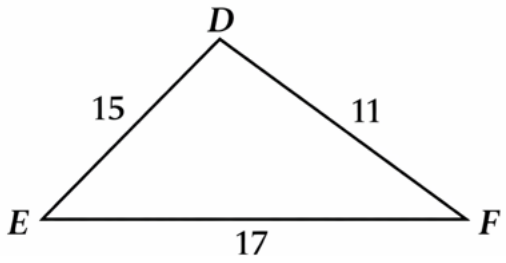


m∠1 = ____

A) 120^0
B) 115^0
C)70^0
D) 110^0

5) Find the values of x that make the triangles congruent using SSS





A) X = 4 B) X = 6 C) X = 7 D) X = 5

6) If BCDE is congruent to OPQR, then $\overline{DE}$ is congruent to ____

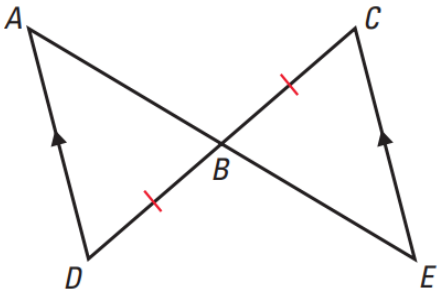
A)$\overline{PQ}$ B) $\overline{OR}$ C) $\overline{OP}$ D) $\overline{QR}$

7) "In the figure shown" $\angle ABD \cong \angle EBC$ .what is the reason?

A) Reflexive Property of Triangle Congruence

B) Symmetric Property of Triangle Congruence

C) Transitive Property of Triangle Congruence
D) Vertical Angles theorem

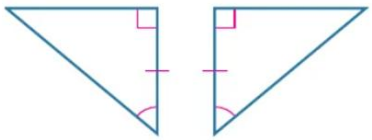


8) in ΔABC, m $\angle A = 43^0$ and m $\angle B = 85^0$. What is m $\angle C$?

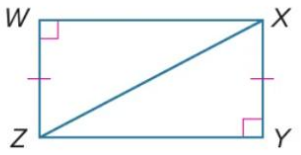
A) 52^0 B) 50^0 C) 128^0 D) 43^0

9) Determine a configuration that does not result in two congruent triangles.

A

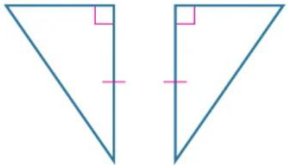


B



C

D



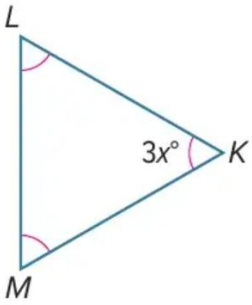
10) Find the value of x

A) 30^0

B) 20^0

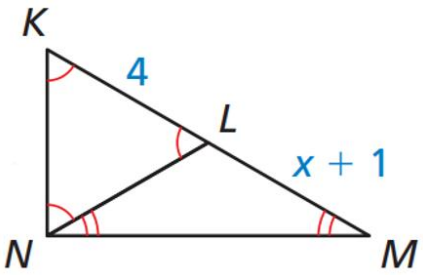
C) 40^0

D) 60^0



11) Find the values of x in the diagram

A) 4
B) 3
C) 5
D) 2



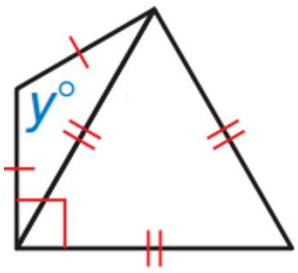
12) Find the values of y in the diagram.

A) 90^0

B) 60^0

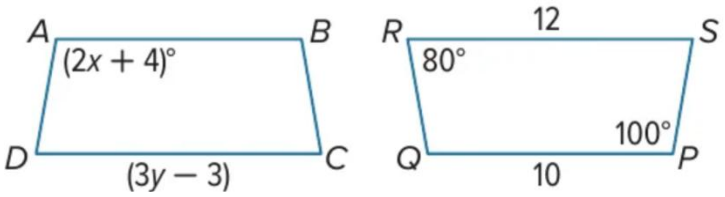
C) 120^0

D) 30^0

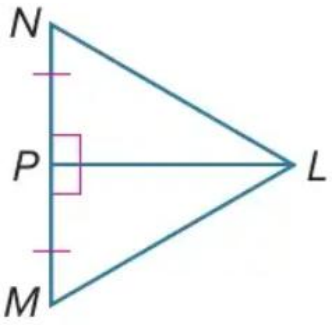


13) In the diagram, polygon ABCD ≅ polygon PQRS.

1. Find the value of x.



2. Find the value of y.

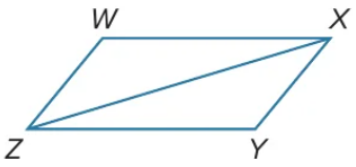


14) Write a two-column proof

Given: $\begin{cases} \textbf{NP = PM,} \\ \overline{NP} \perp \overline{PL} \end{cases}$

Prove $\triangle NPL \cong \triangle MPL$.

Statements	Reasons



15) Write the two- column proof.

Given: $\begin{cases} \overline{WX} \parallel \overline{YZ} \\ \overline{WZ} \parallel \overline{YX} \end{cases}$

Prove: $\Delta WXZ \cong \Delta YZX$

Statements	Reasons