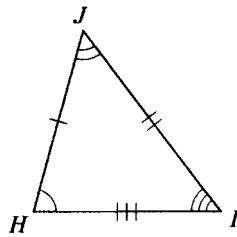
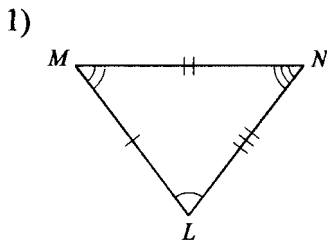


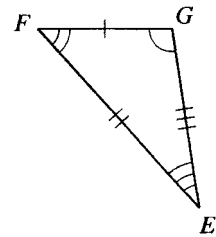
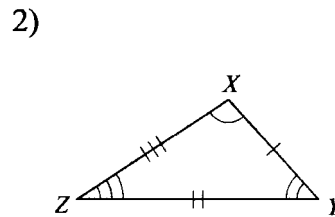
Review - Triangle Congruence

Write a statement that indicates that the triangles in each pair are congruent.



- A) $\triangle MLN \cong \triangle IHJ$
 C) $\triangle LMN \cong \triangle HJI$

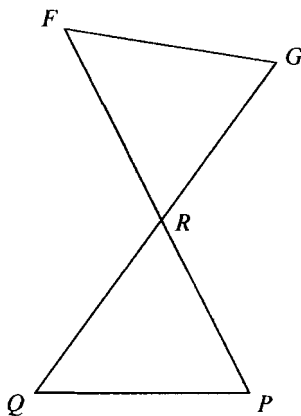
- B) $\triangle MNL \cong \triangle IJH$
 D) $\triangle NML \cong \triangle HJI$



- A) $\triangle XYZ \cong \triangle EGF$
 B) $\triangle YXZ \cong \triangle GEF$
 C) $\triangle XYZ \cong \triangle GFE$
 D) $\triangle ZYX \cong \triangle EGF$

Complete each congruence statement by naming the corresponding angle or side.

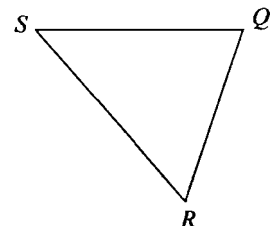
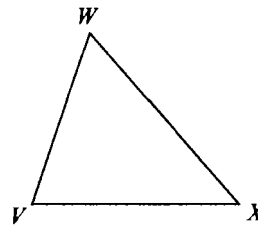
3) $\triangle RPQ \cong \triangle RGF$



$\angle P \cong ?$

- A) $\angle F$ B) $\frac{\angle G}{FR}$
 C) $\angle FRG$ D) \overline{FR}

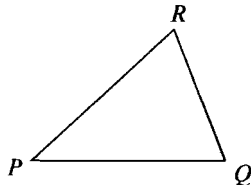
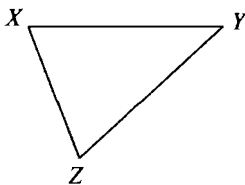
4) $\triangle VWX \cong \triangle QRS$



$\overline{VW} \cong ?$

- A) $\frac{QR}{SQ}$ B) $\frac{\angle R}{RS}$
 C) \overline{SQ} D) \overline{RS}

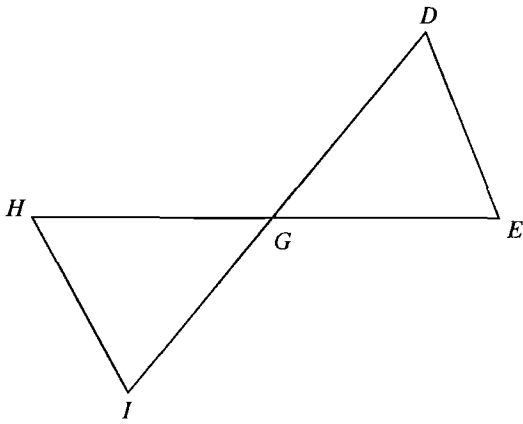
5) $\triangle XYZ \cong \triangle QPR$



$\angle X \cong ?$

- A) $\angle Q$ B) \overline{QP}
 C) $\angle R$ D) $\angle P$

6) $\triangle GIH \cong \triangle GED$



$\overline{HG} \cong ?$

- A) $\angle DGE$ B) \overline{ED}
 C) \overline{DG} D) \overline{GE}

Solve for x .

- 7)
 A) 5 B) -5
 C) 4 D) -11

- 8)
 A) 5 B) -12
 C) -8 D) 7

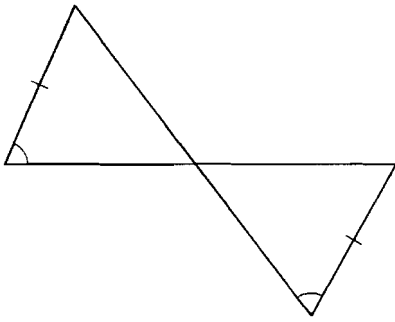
- 9)
 A) 8 B) 6
 C) -10 D) -7

- 10)
 A) 9 B) -7
 C) 11 D) 7

State if the two triangles are congruent. If they are, state how you know.

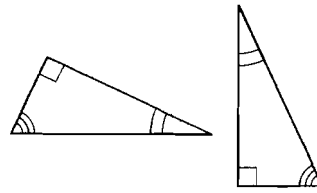
- 11)
 A) ASA B) SSS
 C) SAS D) AAS

12)



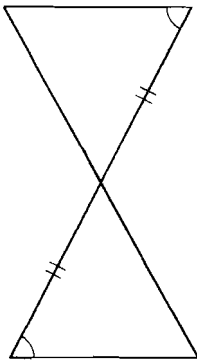
- A) AAS B) SSS
C) SAS D) ASA

13)



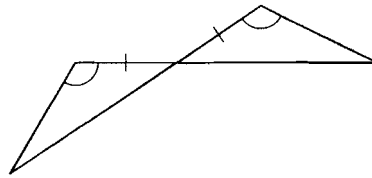
- A) SAS B) SSS
C) Not congruent D) HL

14)



- A) ASA B) Not congruent
C) AAS D) SSS

15)



- A) SAS B) Not congruent
C) HL D) ASA

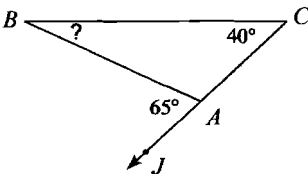
16)



- A) ASA B) SAS
C) Not congruent D) AAS

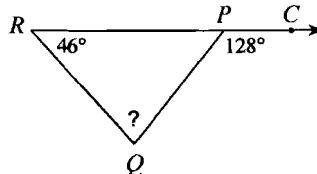
Find the measure of each angle indicated.

17)



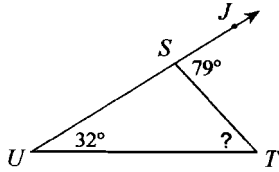
- A) 28° B) 115°
C) 25° D) 24°

18)



- A) 97° B) 62°
C) 52° D) 82°

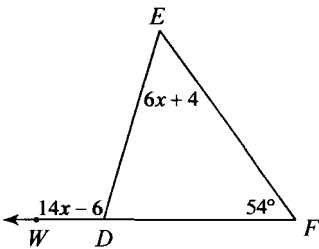
19)



- A) 45° B) 47°
 C) 101° D) 40°

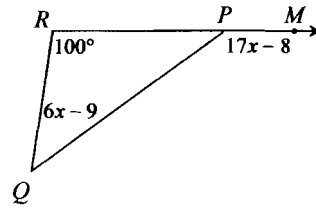
Solve for x.

20)



- A) 9 B) 8
 C) 6 D) 4

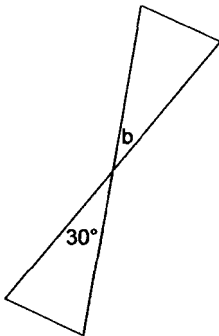
21)



- A) 6 B) 13
 C) 2 D) 9

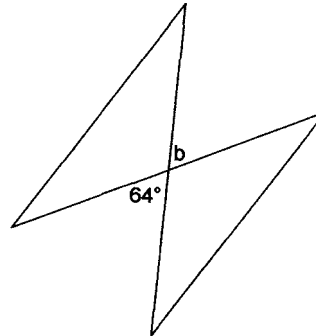
Find the measure of angle b.

22)



- A) 30° B) 69°
 C) 111° D) 74°

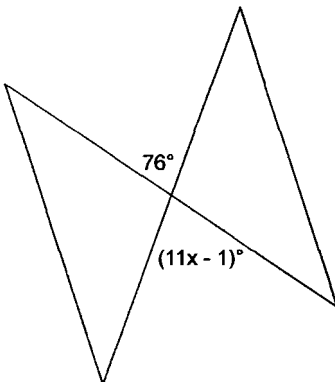
23)



- A) 26° B) 163°
 C) 64° D) 116°

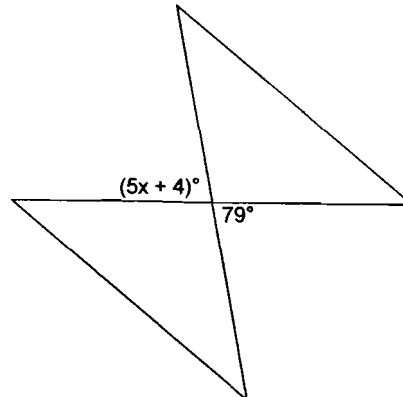
Find the value of x.

24)



- A) 3 B) 9
 C) 8 D) 7

25)



- A) 19 B) 5
 C) 15 D) 18

Answers to Review - Triangle Congruence

1) C
5) A
9) A
13) C
17) C
21) D
25) C

2) C
6) C
10) B
14) A
18) D
22) A

3) B
7) B
11) D
15) D
19) B
23) C

4) A
8) A
12) A
16) B
20) B
24) D