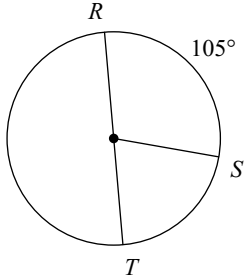


Geometry Review

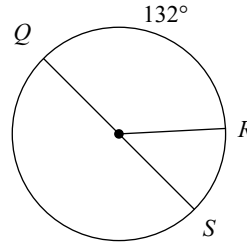
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

1) $m\widehat{ST}$



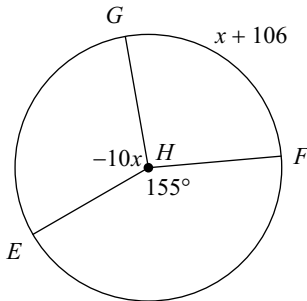
- A) 75° B) 85°
 C) 87° D) 70°

2) $m\widehat{RSQ}$



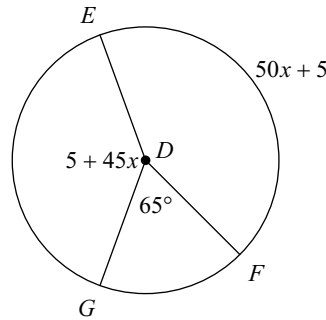
- A) 228° B) 55°
 C) 101° D) 40°

3) $m\angle GHF$



- A) 95° B) 94°
 C) 125° D) 96°

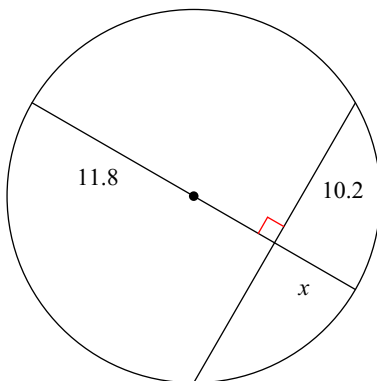
4) $m\angle EDF$



- A) 45° B) 110°
 C) 155° D) 112°

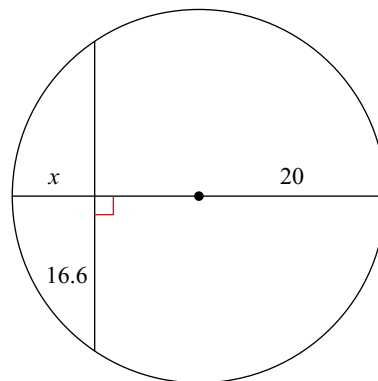
Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

5)



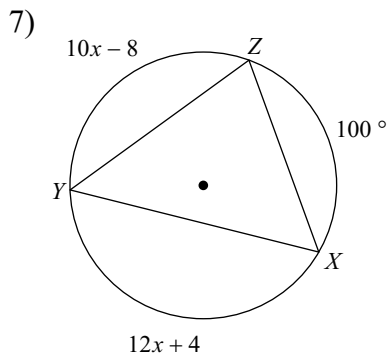
- A) 7.1 B) 5.9
 C) 3.3 D) 4.1

6)

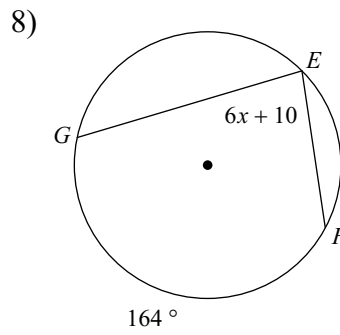


- A) 8.8 B) 12.1
 C) 6.8 D) 4.8

Solve for x .

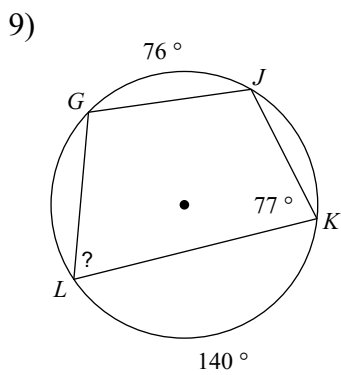


- A) 15 B) 13
C) 8 D) 12

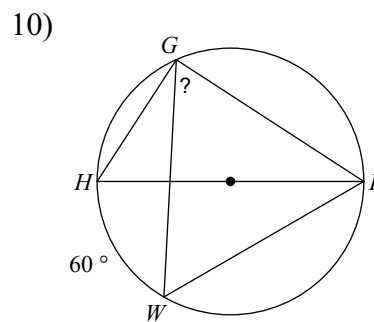


- A) 11 B) 12
C) 0 D) 2

Find the measure of the arc or angle indicated.

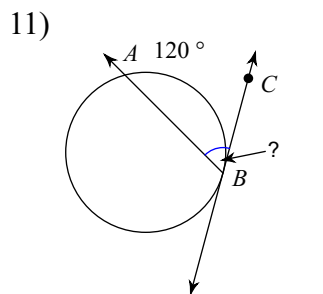


- A) 66° B) 71°
C) 98° D) 89°

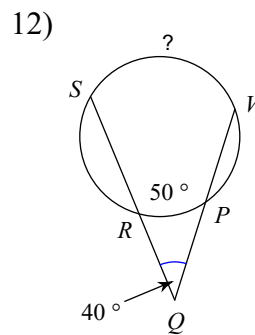


- A) 52° B) 60°
C) 89° D) 53°

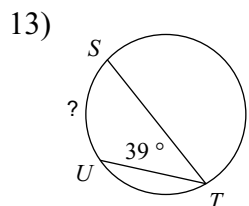
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.



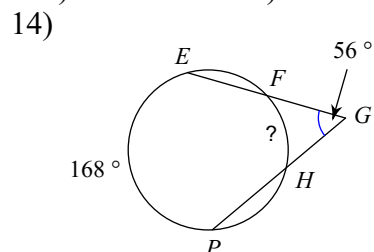
- A) 80° B) 78°
C) 50° D) 60°



- A) 165° B) 150°
C) 114° D) 130°

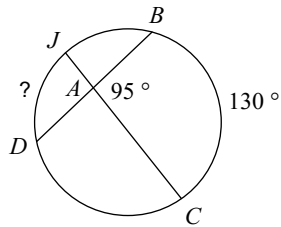


- A) 78° B) 61°
C) 43° D) 46°



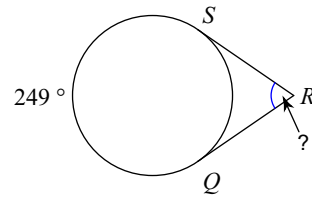
- A) 43° B) 56°
C) 57° D) 34°

15)



- A) 68° B) 60°
 C) 80° D) 85°

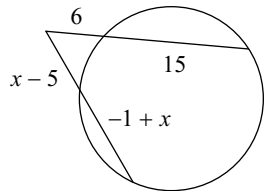
16)



- A) 51° B) 69°
 C) 61° D) 48°

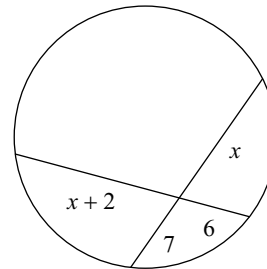
Solve for x . Assume that lines which appear tangent are tangent.

17)



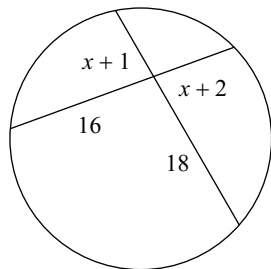
- A) 12 B) 8
 C) 6 D) 4

18)



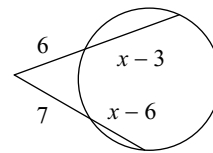
- A) 12 B) 0
 C) 7 D) 1

19)



- A) 9 B) 7
 C) 2 D) 8

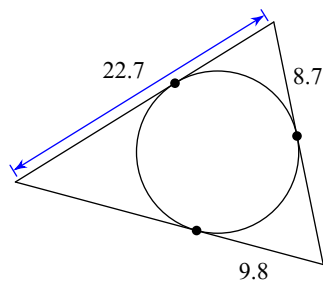
20)



- A) 3 B) 11
 C) 2 D) 5

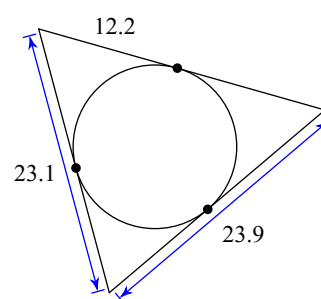
Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent.

21)



- A) 65 B) 74.9
 C) 78 D) 75.6

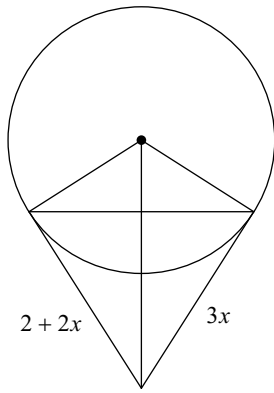
22)



- A) 72.2 B) 90.6
 C) 32.7 D) 85.2

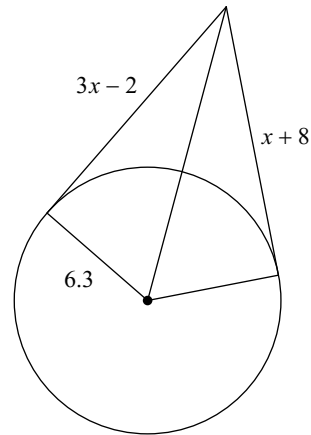
Solve for x . Assume that lines which appear to be tangent are tangent.

23)



- A) 2 B) 12
C) 1 D) 11

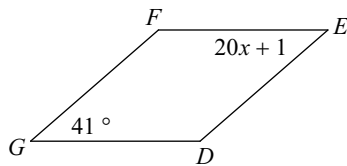
24)



- A) 1 B) 5
C) 3 D) 6

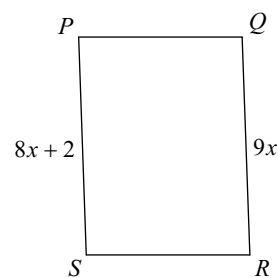
Solve for x . Each figure is a parallelogram.

25)



- A) 12 B) 2
C) 6 D) 1

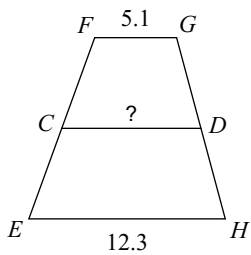
26)



- A) 2 B) 3
C) 0 D) 1

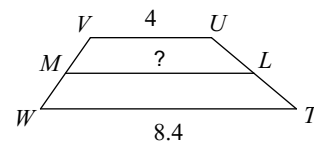
Find the length of the median of each trapezoid.

27)



- A) 8.3 B) 11.9
C) 8.5 D) 8.7

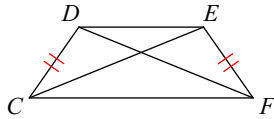
28)



- A) 7.2 B) 6.2
C) 4.1 D) 5.4

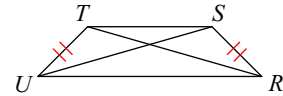
Solve for x . Each figure is a trapezoid.

29) $DF = 18$
 $CE = 21x - 3$



- A) 1 B) 6
 C) 11 D) 2

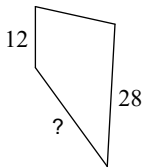
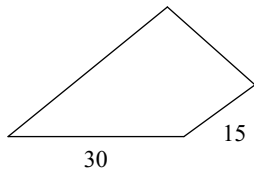
30) $US = 8$
 $TR = -2x + 22$



- A) 7 B) 2
 C) 5 D) 6

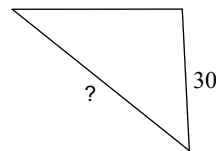
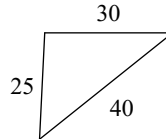
The polygons in each pair are similar. Find the missing side length.

31)



- A) 24 B) 16
 C) 17 D) 25

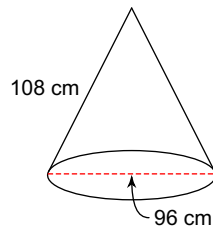
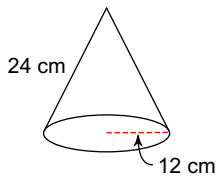
32)



- A) 19 B) 33
 C) 48 D) 65

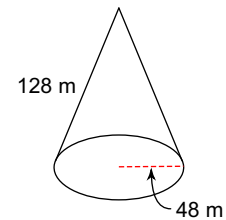
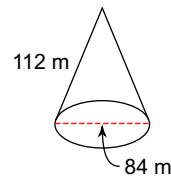
Determine if each pair of solids is similar.

33)



- A) Yes B) No

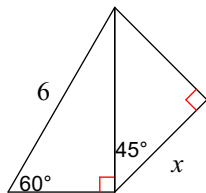
34)



- A) Yes B) No

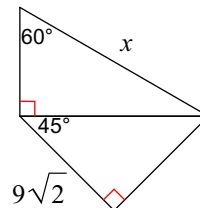
Find the missing side lengths. Leave your answers as radicals in simplest form.

35)



- A) 8 B) $\frac{3\sqrt{6}}{2}$
 C) $4\sqrt{3}$ D) $3\sqrt{3}$

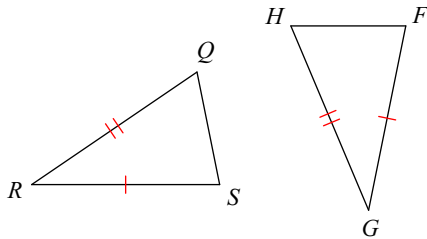
36)



- A) $12\sqrt{3}$ B) $12\sqrt{6}$
 C) $\frac{3\sqrt{6}}{2}$ D) $\frac{9\sqrt{6}}{2}$

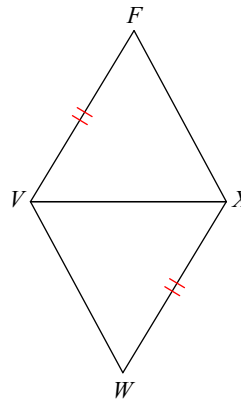
State what additional information is required in order to know that the triangles are congruent for the reason given.

37) SSS



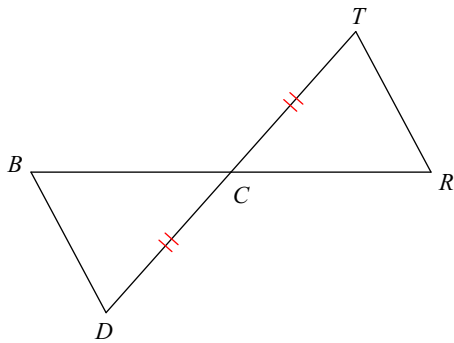
- A) $\overline{SR} \cong \overline{FG}$ or $\overline{QS} \cong \overline{HF}$
- B) $\angle S \cong \angle F$
- C) $\overline{QS} \cong \overline{HF}$
- D) $\overline{RQ} \cong \overline{GH}$

38) SSS



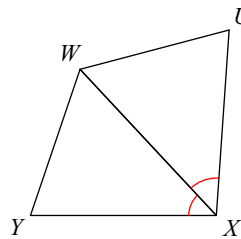
- A) $\overline{XW} \cong \overline{VF}$ or $\overline{WV} \cong \overline{FX}$
- B) $\overline{WV} \cong \overline{FX}$
- C) $\angle WVX \cong \angle FXV$
- D) $\overline{VX} \cong \overline{XV}$

39) AAS



- A) $\angle BCD \cong \angle RCT$
- B) $\angle B \cong \angle R$
- C) $\overline{DB} \cong \overline{TR}$
- D) $\overline{CD} \cong \overline{CT}$

40) ASA

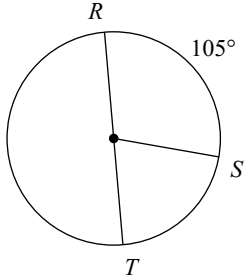


- A) $\overline{WX} \cong \overline{WX}$
- B) $\angle YWX \cong \angle UWX$
- C) $\overline{WX} \cong \overline{WX}$ or $\overline{YW} \cong \overline{UW}$
- D) $\overline{YW} \cong \overline{UW}$

Geometry Review

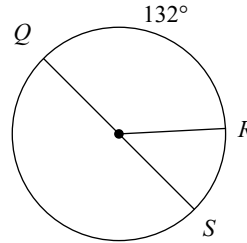
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

1) $m\widehat{ST}$



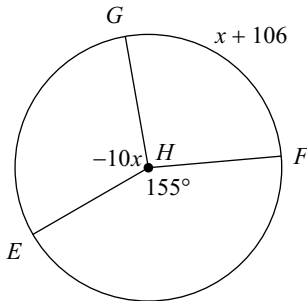
- *A) 75°
- B) 85°
- C) 87°
- D) 70°

2) $m\widehat{RSQ}$



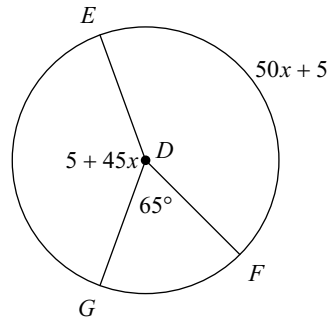
- *A) 228°
- B) 55°
- C) 101°
- D) 40°

3) $m\angle GHF$



- *A) 95°
- B) 94°
- C) 125°
- D) 96°

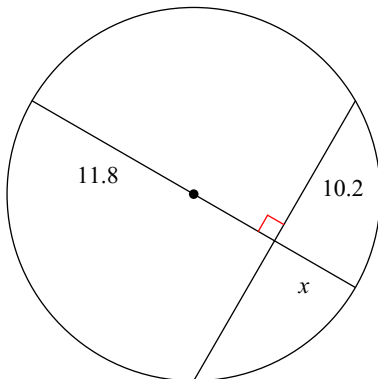
4) $m\angle EDF$



- A) 45°
- B) 110°
- *C) 155°
- D) 112°

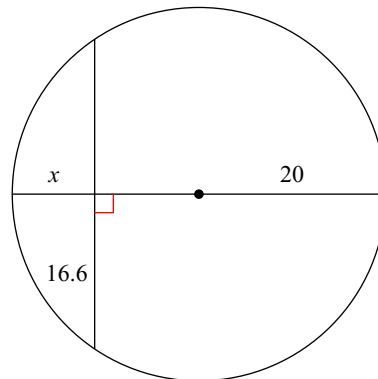
Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

5)



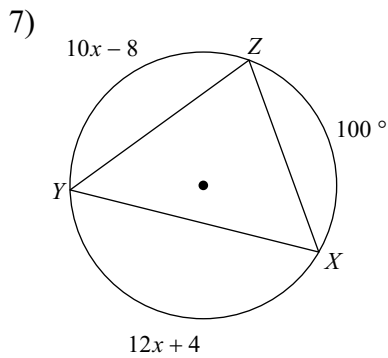
- A) 7.1
- *B) 5.9
- C) 3.3
- D) 4.1

6)

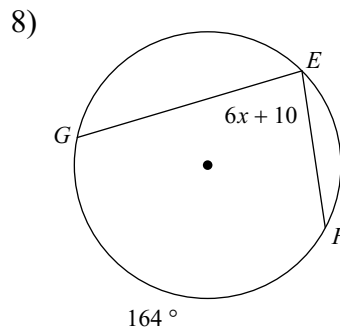


- *A) 8.8
- B) 12.1
- C) 6.8
- D) 4.8

Solve for x .

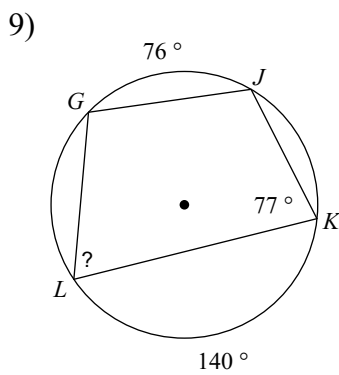


- A) 15 B) 13
C) 8 *D) 12

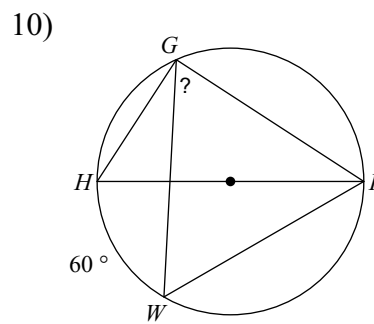


- A) 11 *B) 12
C) 0 D) 2

Find the measure of the arc or angle indicated.

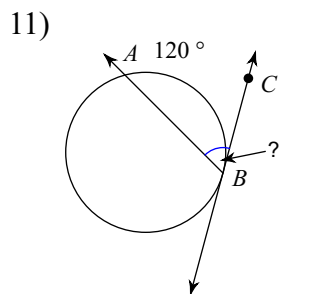


- A) 66° *B) 71°
C) 98° D) 89°

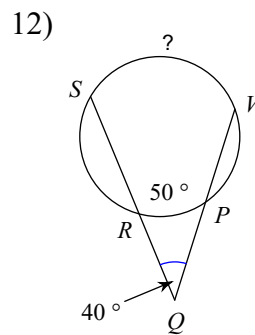


- A) 52° *B) 60°
C) 89° D) 53°

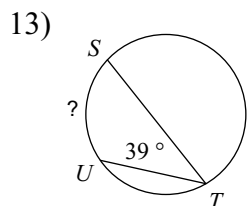
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.



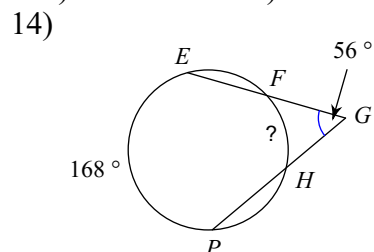
- A) 80° B) 78°
C) 50° *D) 60°



- A) 165° B) 150°
C) 114° *D) 130°

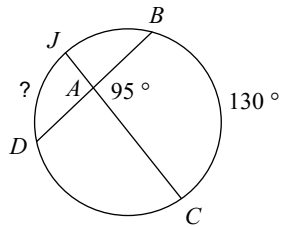


- *A) 78° B) 61°
C) 43° D) 46°



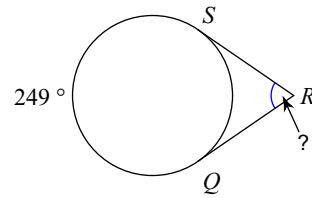
- A) 43° *B) 56°
C) 57° D) 34°

15)



- A) 68° *B) 60°
 C) 80° D) 85°

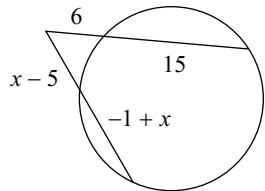
16)



- A) 51° *B) 69°
 C) 61° D) 48°

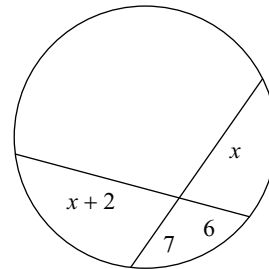
Solve for x . Assume that lines which appear tangent are tangent.

17)



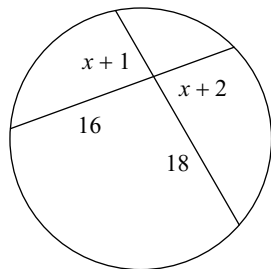
- *A) 12 B) 8
 C) 6 D) 4

18)



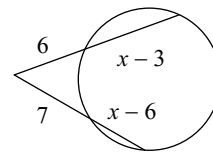
- *A) 12 B) 0
 C) 7 D) 1

19)



- A) 9 *B) 7
 C) 2 D) 8

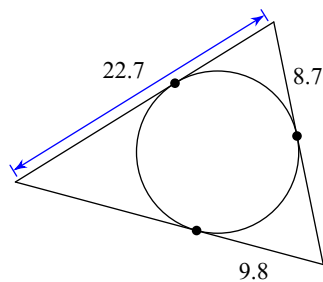
20)



- A) 3 *B) 11
 C) 2 D) 5

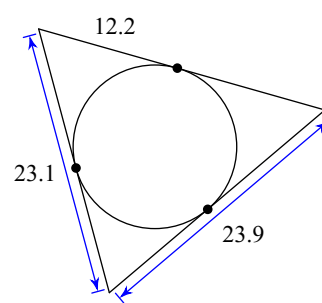
Find the perimeter of each polygon. Assume that lines which appear to be tangent are tangent.

21)



- *A) 65 B) 74.9
 C) 78 D) 75.6

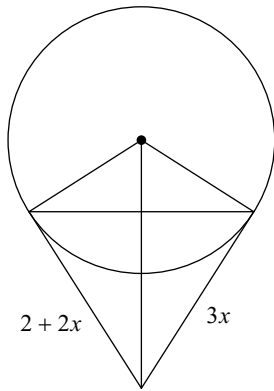
22)



- *A) 72.2 B) 90.6
 C) 32.7 D) 85.2

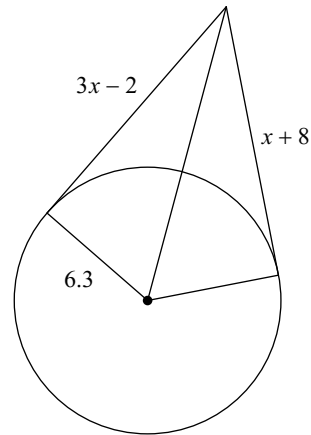
Solve for x . Assume that lines which appear to be tangent are tangent.

23)



- *A) 2 B) 12
C) 1 D) 11

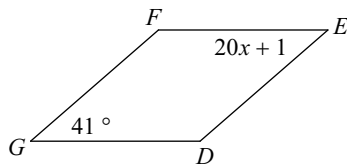
24)



- A) 1 *B) 5
C) 3 D) 6

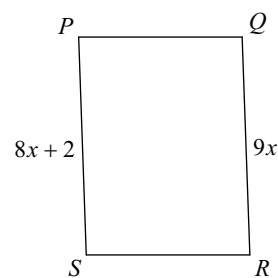
Solve for x . Each figure is a parallelogram.

25)



- A) 12 *B) 2
C) 6 D) 1

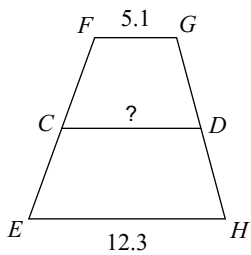
26)



- *A) 2 B) 3
C) 0 D) 1

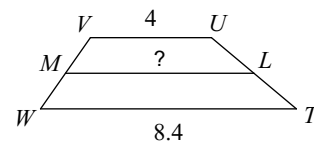
Find the length of the median of each trapezoid.

27)



- A) 8.3 B) 11.9
C) 8.5 *D) 8.7

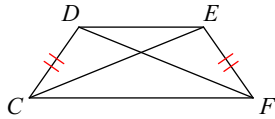
28)



- A) 7.2 *B) 6.2
C) 4.1 D) 5.4

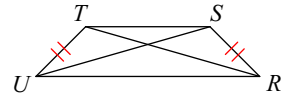
Solve for x . Each figure is a trapezoid.

29) $DF = 18$
 $CE = 21x - 3$



- *A) 1 B) 6
 C) 11 D) 2

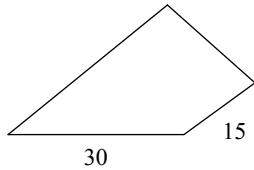
30) $US = 8$
 $TR = -2x + 22$



- *A) 7 B) 2
 C) 5 D) 6

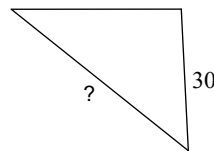
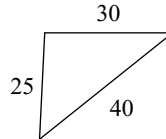
The polygons in each pair are similar. Find the missing side length.

31)



- *A) 24 B) 16
 C) 17 D) 25

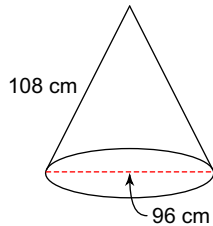
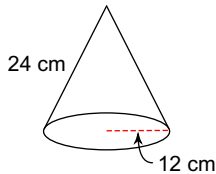
32)



- A) 19 B) 33
 *C) 48 D) 65

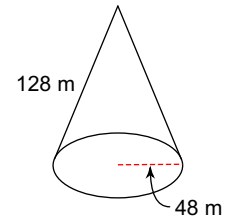
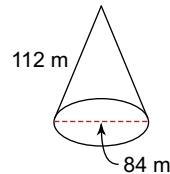
Determine if each pair of solids is similar.

33)



- A) Yes *B) No

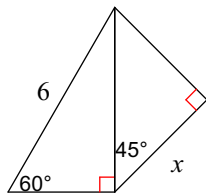
34)



- *A) Yes B) No

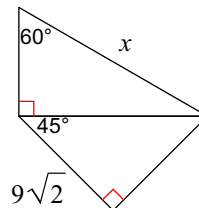
Find the missing side lengths. Leave your answers as radicals in simplest form.

35)



- A) 8 *B) $\frac{3\sqrt{6}}{2}$
 C) $4\sqrt{3}$ D) $3\sqrt{3}$

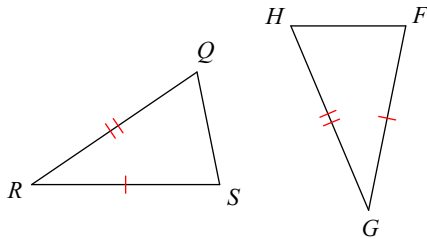
36)



- *A) $12\sqrt{3}$ B) $12\sqrt{6}$
 C) $\frac{3\sqrt{6}}{2}$ D) $\frac{9\sqrt{6}}{2}$

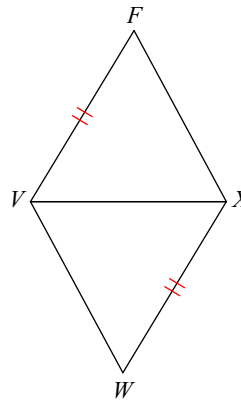
State what additional information is required in order to know that the triangles are congruent for the reason given.

37) SSS



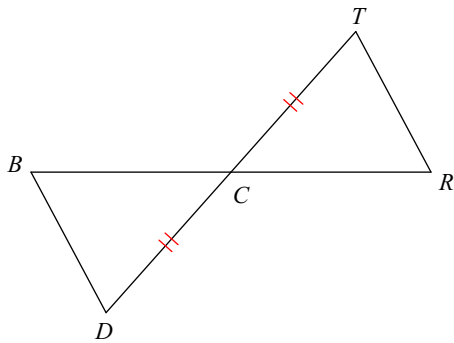
- A) $\overline{SR} \cong \overline{FG}$ or $\overline{QS} \cong \overline{HF}$
- B) $\angle S \cong \angle F$
- *C) $\overline{QS} \cong \overline{HF}$
- D) $\overline{RQ} \cong \overline{GH}$

38) SSS



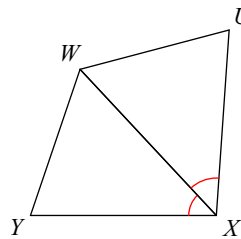
- A) $\overline{XW} \cong \overline{VF}$ or $\overline{WV} \cong \overline{FX}$
- *B) $\overline{WV} \cong \overline{FX}$
- C) $\angle WVX \cong \angle FXV$
- D) $\overline{VX} \cong \overline{XV}$

39) AAS



- A) $\angle BCD \cong \angle RCT$
- *B) $\angle B \cong \angle R$
- C) $\overline{DB} \cong \overline{TR}$
- D) $\overline{CD} \cong \overline{CT}$

40) ASA



- A) $\overline{WX} \cong \overline{WX}$
- *B) $\angle YWX \cong \angle UWX$
- C) $\overline{WX} \cong \overline{WX}$ or $\overline{YW} \cong \overline{UW}$
- D) $\overline{YW} \cong \overline{UW}$