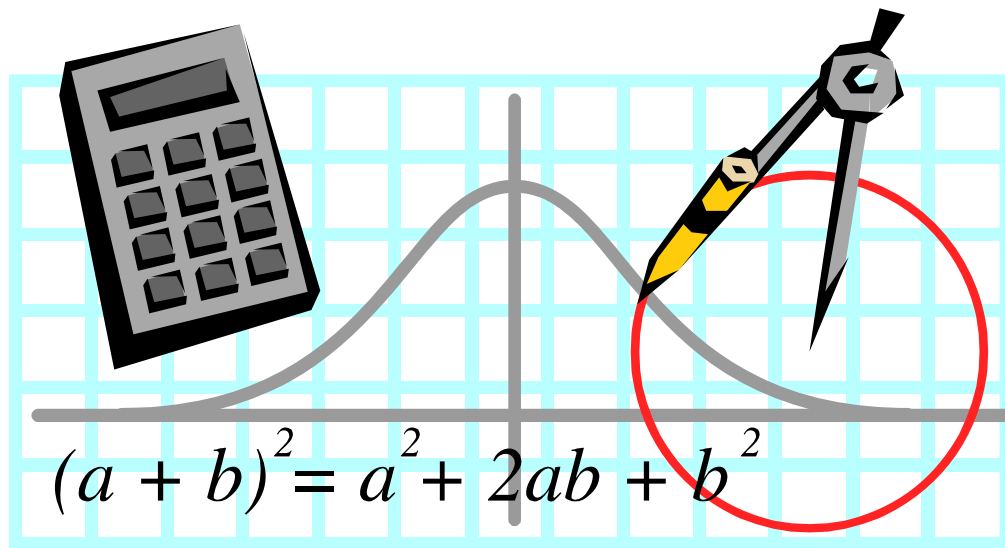


# GEOMETRY PLACEMENT TEST

Haitian-Creole



**Division of Bilingual Education and World Languages  
Miami-Dade County Public Schools**

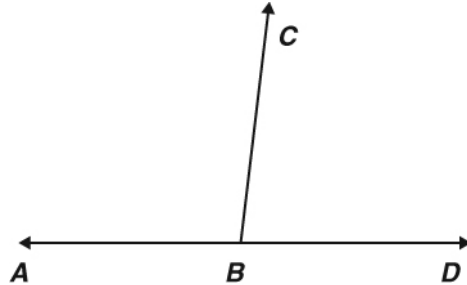
Name (Non): \_\_\_\_\_

Date (Dat): \_\_\_\_\_

School (Lekòl): \_\_\_\_\_

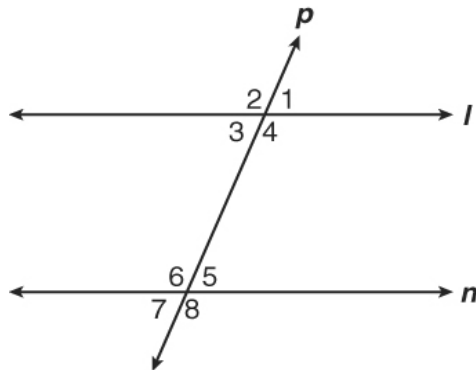
I.D.# \_\_\_\_\_

1. Jan trase dyagram anba a, e li di  $\angle ABC$  e  $\angle CBD$  fòme yon pè ang lineyè. Ki konklizyon ki korèk dapre deklarasyon Jan an?



- A.  $\angle ABC$  e  $\angle CBD$  kongriyan
- B.  $\angle ABC$  e  $\angle CBD$  siplemantè
- C.  $\angle ABC$  e  $\angle CBD$  konplemantè
- D.  $\angle ABC$  e  $\angle CBD$  se ang dwat

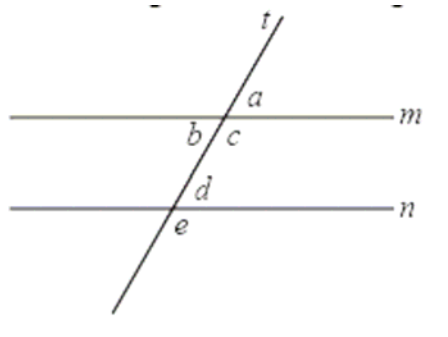
2. Nan figi anba, liy  $l$  paralèl ak liy  $n$  epi liy  $p$  entèsekte yo .



Kilès nan pè ang sa yo ki oblije kongriyan?

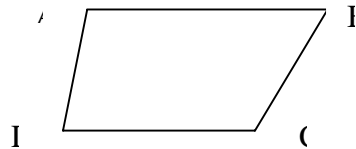
- A.  $\angle 1$  e  $\angle 6$
- B.  $\angle 2$  e  $\angle 8$
- C.  $\angle 3$  e  $\angle 4$
- D.  $\angle 4$  e  $\angle 7$

3. Nan figi anba a, liy **m** paralèl ak liy **n**, e liy transvèsal **t** e kwaze toude **m** e **n**.  
Kilès nan repons anba yo ki gen 3 ang ki egal?



- A.  $\angle a, \angle b, \angle d$
- B.  $\angle a, \angle c, \angle d$
- C.  $\angle a, \angle c, \angle e$
- D.  $\angle b, \angle c, \angle d$

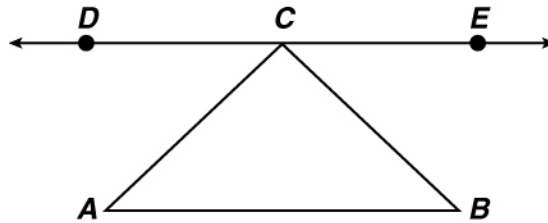
4. Nan figi anba a,  $\overline{AB}$  paralèl ak  $\overline{DC}$ .



Kilès nan deklarasyon anba yo ki vre?

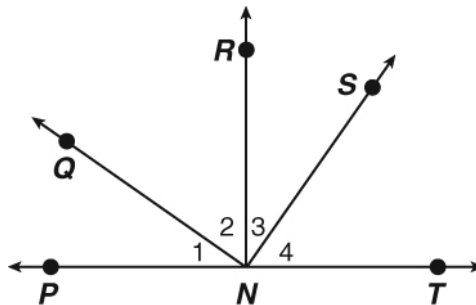
- A.  $\angle DAB + \angle ABC = 180^\circ$
- B.  $\angle DAB + \angle CDA = 180^\circ$
- C.  $\overline{AB} \cong \overline{DC}$
- D.  $\overline{AD} \cong \overline{BC}$

5. Etandone  $\triangle ABC$  e  $\overleftrightarrow{DE}$  ki pase nan pwen  $C$ , kòm yo montre nan dyagram anba a. Ki kondisyon k ap garanti  $\overline{AB}$  ap paralèl a  $\overline{DE}$  ?



- A.  $\angle BAC \cong \angle BCE$
- B.  $\angle ABC \cong \angle BCE$
- C.  $\angle ACD \cong \angle BCE$
- D.  $\angle BAC \cong \angle ABC$

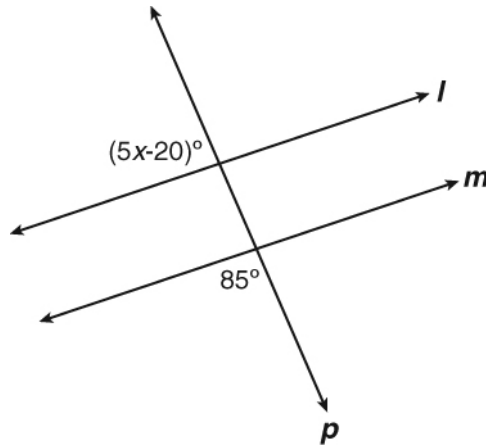
6. Nan dyagram anba a,  $\overline{NP} \perp \overline{NR}$  e  $\overline{NQ} \perp \overline{NS}$



Si  $m\angle 2$  se  $55^\circ$ , kisa  $m\angle 4$  ye?

- A.  $25^\circ$
- B.  $35^\circ$
- C.  $45^\circ$
- D.  $55^\circ$

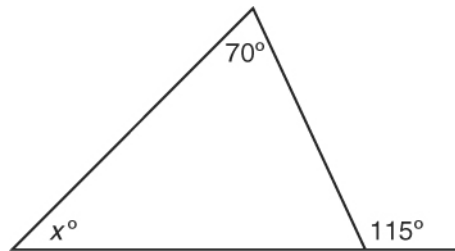
7. Nan dyagram anba a, liy  $l$  ak liy  $m$  paralèl epi liy transvèsal  $p$  kwaze yo.



Ki valè  $x$ ?

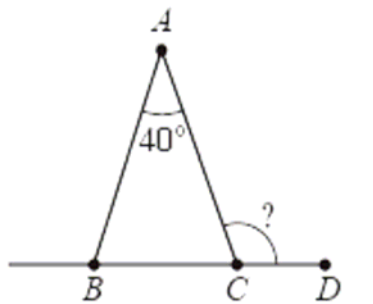
- A. 21
- B. 23
- C. 40
- D. 57

8. Ki valè  $x$  nan figi anba a?



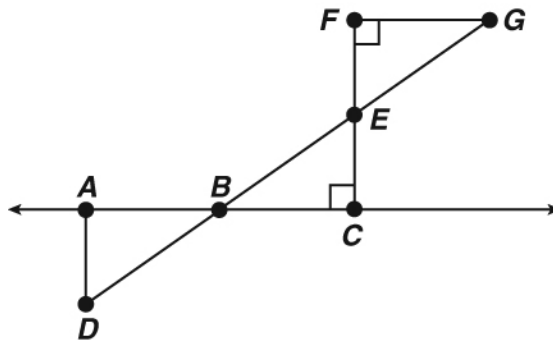
- A. 22.5
- B. 45
- C. 55
- D. 57.5

9. Nan figi anba a,  $\triangle ABC$  se yon triyang izosèl ak longè  $\overline{AB}$  ki egal a longè  $\overline{AC}$ . Mezi  $\angle A$  se  $40^\circ$  e pwen B, C, e D yo kolineyè. Ki mezi  $\angle ACD$  ?



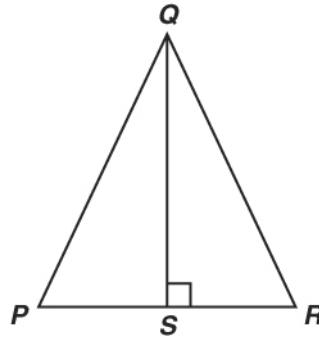
- A.  $70^\circ$
- B.  $80^\circ$
- C.  $110^\circ$
- D.  $140^\circ$

10. Nan figi anba a,  $\triangle BCE$  e  $\triangle EFG$  se de triyang rektang. Etandone  $m\angle ABD = 35^\circ$ , ki mezi  $\angle FEG$ ?



- A.  $35^\circ$
- B.  $45^\circ$
- C.  $55^\circ$
- D.  $90^\circ$

11. Ki pi bon chwa pou pwouve  $\triangle PQR$  se yon triyang izosèl?



- A. sipoze ke  $\overline{QP} \cong \overline{QR}$
- B. sipoze ke  $\overline{QS} \cong \overline{QR}$
- C. sipoze ke  $\angle PQS > \angle SQR$
- D. sipoze ke  $\angle PSQ > \angle RSQ$

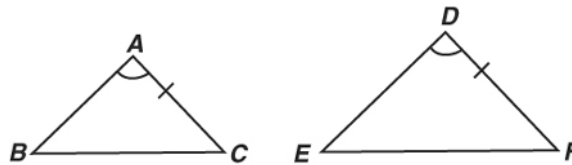
12. Renaldo resevwa enstriksyon pou konplete yon prèv nan figi anba a,

**Etandone:**

$$\angle A \cong \angle D, \overline{AC} \cong \overline{DF}, \overline{AB} \text{ pa } \cong \overline{DE}$$

**Pwouve:**

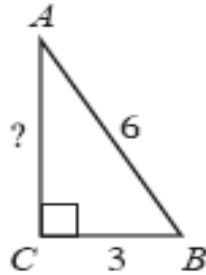
$$\angle B \text{ pa } \cong \angle E$$



Kilès nan sipozisyon anba yo Renaldo ka itilize pou fè yon prèv pa kontradiksyon ?

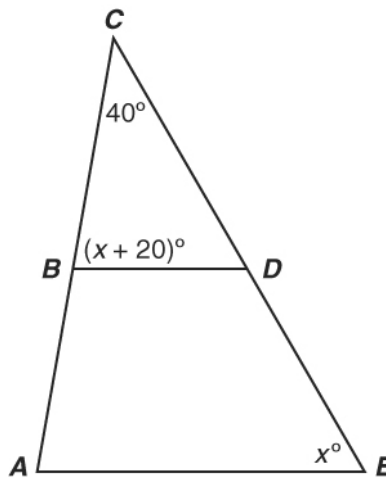
- A. sipoze  $\angle B \cong \angle E$
- B. sipoze  $\overline{AB} \cong \overline{DE}$
- C. sipoze  $\angle B \text{ pa } \cong \angle E$
- D. sipoze  $\overline{BC} \text{ pa } \cong \overline{EF}$

13. Nan figi anba a,  $\triangle ABC$  se yon triyang rektang. Longè  $\overline{AB}$  se 6 inite, e longè  $\overline{CB}$  se 3 inite. Ki longè  $\overline{AC}$  an inite?



- A. 5
- B.  $3\sqrt{3}$
- C.  $3 + \sqrt{5}$
- D.  $3\sqrt{6}$

14. Nan triyang anba a,  $\overline{AE} \parallel \overline{BD}$ .

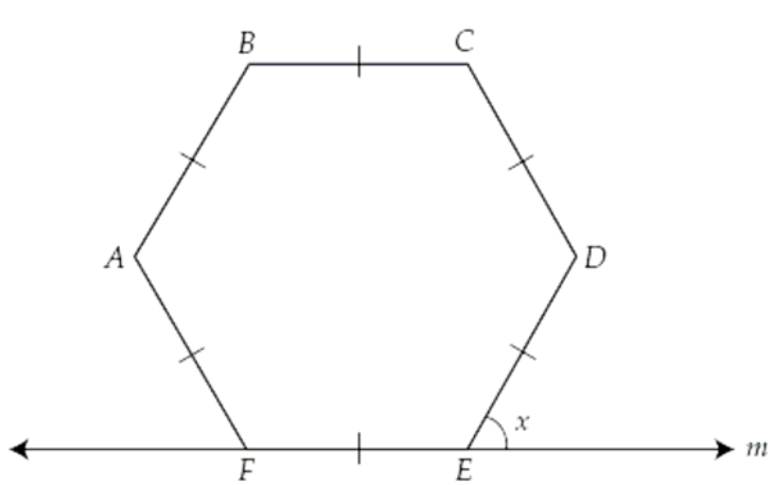


Ki valè  $x$ ?

- A.  $40^\circ$
- B.  $50^\circ$
- C.  $60^\circ$
- D.  $70^\circ$



15. Figi anba a ABCDEF se yon egzagòn avèk liy **m** ki pase sou EF.



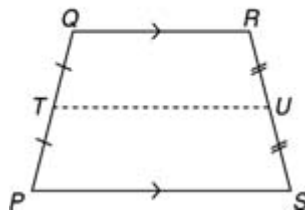
Ki mezi  $\angle x$  ye?

- A.  $75^\circ$
- B.  $60^\circ$
- C.  $51^\circ$
- D.  $45^\circ$

16. Nan yon poligòn, ki gen **n** kote, total mezi ang enteryè yo egal a:

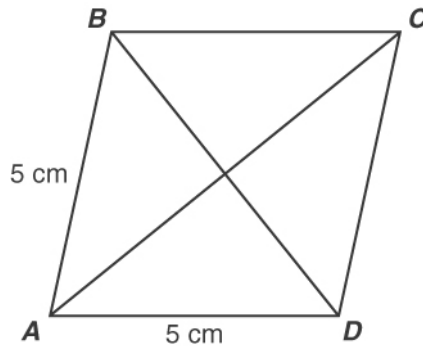
- A.  $180^\circ(n - 2)$
- B.  $180^\circ(n + 2)$
- C.  $360^\circ(n - 2)$
- D.  $360^\circ$

17. QRSP se yon trapèz. Medyan TU mezire 10cm, e PS mezire 12cm.  
Ki longè  $\overline{QR}$  ?



- A. 10.5
- B. 10
- C. 9
- D. 8

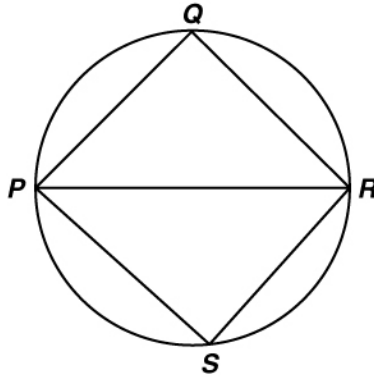
18. Chak kote lozanj  $ABCD$  mezire 5 cm. nan longè. Longè  $\overline{AC}$  se 8 cm. e longè  $\overline{BD}$  se 6 cm.



Ki sifas lozanj la an santimèt kare?

- A. 24
- B. 25
- C. 34
- D. 48

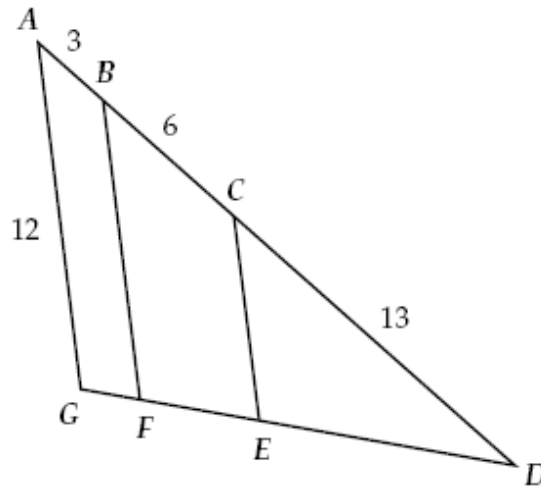
19. Nan dyagram anba a,  $\overline{PR}$  se yon dyamèt sèk la.



Kilès nan ang sa yo ki dwe yon ang dwat?

- A.  $\angle PQR$
- B.  $\angle PRQ$
- C.  $\angle QRS$
- D.  $\angle QPS$

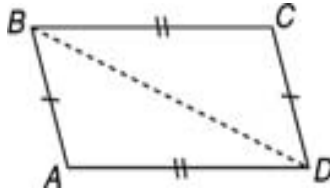
20. Nan triyang ADG anba a, longè kote DG se 18 inite. Tout liy segman AG, BF e CE paralèl.



Apeprè ki longè liy segman EG?

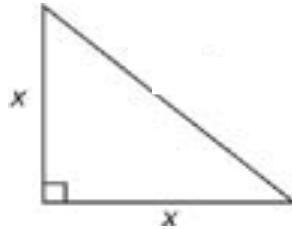
- A. 4.9 inite
- B. 7.4 inite
- C. 11.0 inite
- D. 12.5 inite

21. Ki teyorem jeometrik yo ka utilize pou pwouve triyang  $BAD \cong DCB$



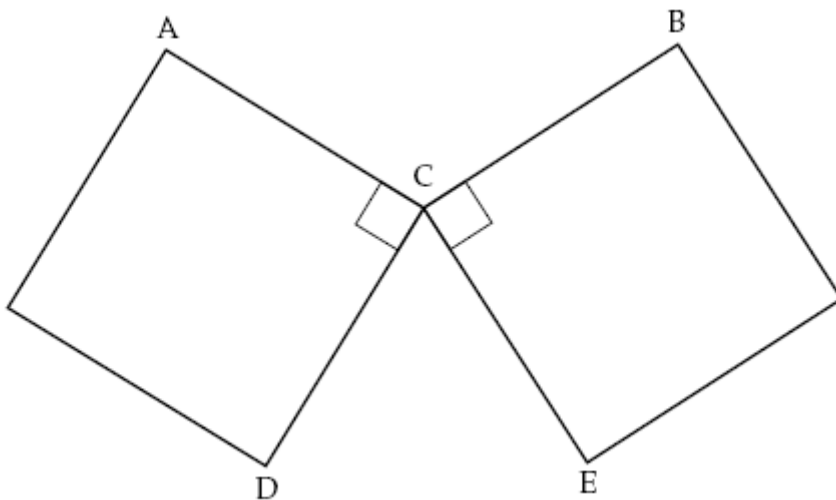
- A. SAS
- B. ASA
- C. SSS
- D. HL

22. Si youn nan de kote egal yon triyang rektang izosèl se 3, ki mezi de lòt kote yo ye?



- A.  $3 e 3\sqrt{2}$
- B.  $3 e 3\sqrt{3}$
- C.  $3 e 3$
- D.  $3 e 4$

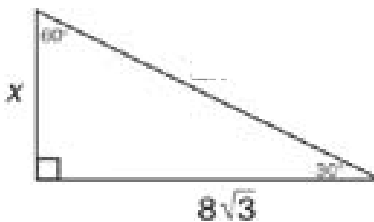
23. De kare yo entèsekte nan pwen C.



Ki mezi sòm  $\angle ACB$  e  $\angle DCE$  an degre?

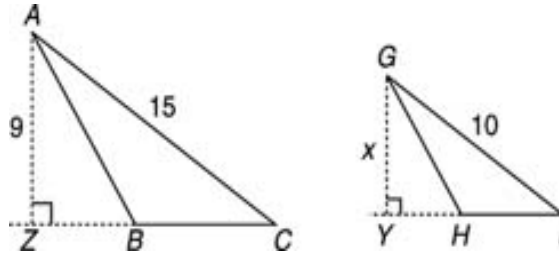
- A.  $360^\circ$
- B.  $270^\circ$
- C.  $180^\circ$
- D.  $135^\circ$

24. Nan yon triyang dwat 30 – 60 – 90, si longè kote ki pi long lan mezire  $8\sqrt{3}$ , Jwenn longè Ipoteniz la?



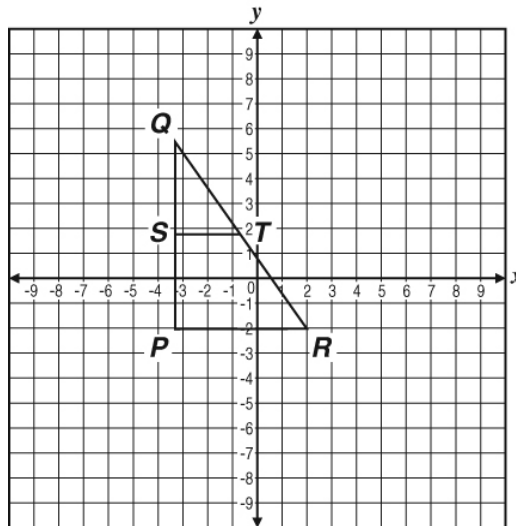
- A. 20
- B. 16
- C. 12
- D. 8

25. Ki valè  $x$  si  $\triangle ABC \approx \triangle GHI$  ?



- A. 9
- B. 8
- C. 6
- D. 5

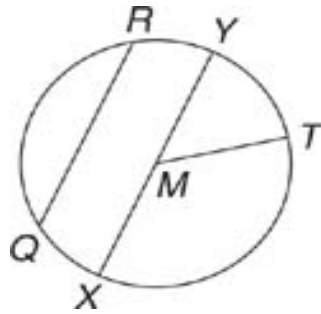
26. Nan figi anba-a,  $\overline{ST}$  pase nan pwen mitan 2 kote  $\triangle PQR$ .



Kilès nan repons sa yo ki vrè?

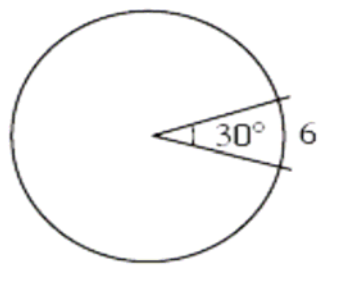
- A.  $\overline{QP} \perp \overline{PR}$
- B.  $RT < QT$
- C.  $SQ = TQ$
- D.  $\overline{TS} \parallel \overline{RP}$

27. Nan sèk M anba a,  $\overline{XY}$  se youn nan sa yo:



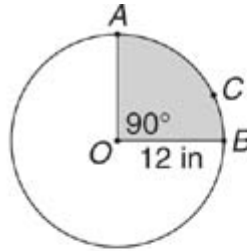
- A. Yon reyon
- B. Yon kòd
- C. Yon dyamèt
- D. Yon kòd/dyamèt

28. Si yon ang santral mezire  $30^\circ$  e li anfas yon ak sikilè de 6 mètr, tankou yo montre nan figi anba a, konbyen mètr de longè reyon sèk la ye?



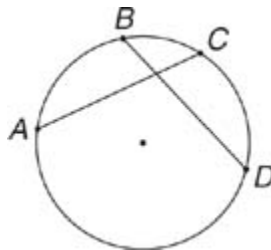
- A.  $\frac{\pi}{36}$
- B.  $\frac{1}{5}$
- C.  $\frac{36}{\pi}$
- D.  $\pi$

29. Itilize figi anba a pou jwenn sifas sektè OACB



- A.  $36\pi \text{ in}^2$
- B.  $90\pi \text{ in}^2$
- C.  $144\pi \text{ in}^2$
- D.  $180\pi \text{ in}^2$

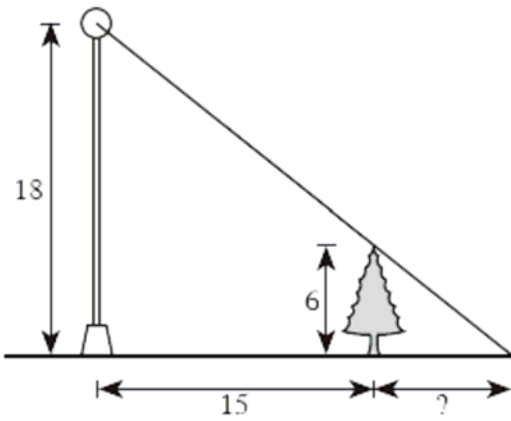
30. Nan figi ki anba a, mezi ak AC se  $115^\circ$ , mezi ak BD se  $115^\circ$ , e  $\overline{BD}$  se 10 pous. Ki longè ak  $\overline{AC}$  ?



- A. 8
- B. 10
- C. 12
- D. 15

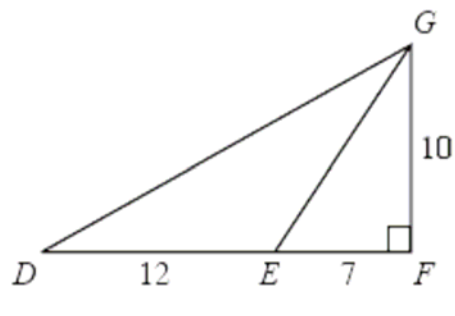


31. Yo plante yon pye bwa ki gen 6 pye de wotè e yo plase li a 15 pye de yon pote limyè, pote limyè a gen 18 pye de wotè. Konbyen pye de longè lonbraj pye bwa ap ye?



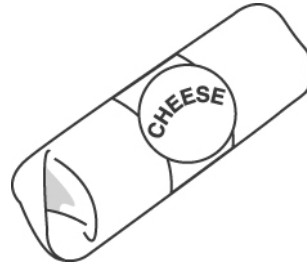
- A. 5.0
- B. 7.5
- C. 7.8
- D. 9.6

32. Nan figi anba a, yo bay longè  $\overline{DE}$ ,  $\overline{EF}$ , e  $\overline{FG}$  an inite. Ki sifas  $\triangle DEG$  an inite kare?



- A. 29
- B. 47.5
- C. 60
- D.  $6\sqrt{149}$

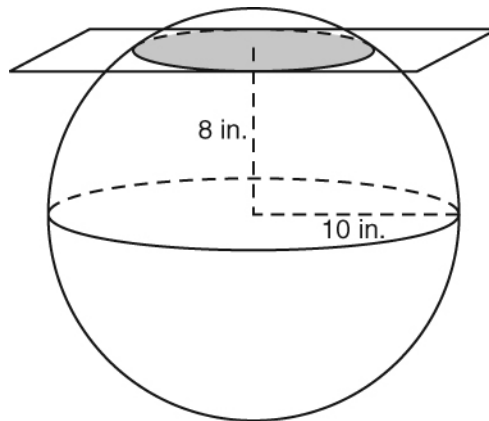
33. Pòl achte yon moso fromaj nan fòm yon silenn, ki gen menm fòm ak figi anba a .



Li retire l nan sache a epi l koupe yon rondèl nan pwent fwomaj la. Ki fòm moso fromaj li koupe a ye?

- A. circle
- B. triangle
- C. rectangle
- D. square

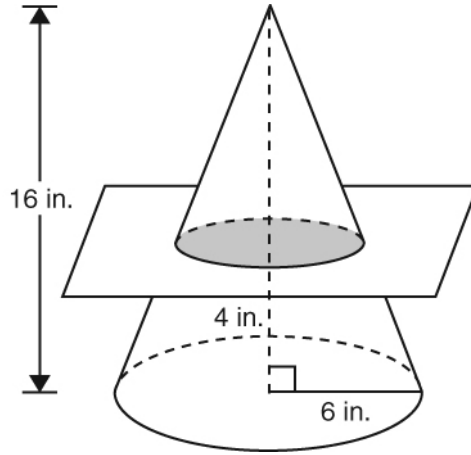
34. Yon esfè (glòb) ki gen 10 pous pou reyon entèsekte yon plan jeometrik ki 8 pous a pati de mitan esfè a, kòm yo montre nan figi anba a.



Ki sikonferans, an pous, de sèk la ki fòmè lè plan jeometri an entèsekte esfè a?

- A.  $4\pi$
- B.  $12\pi$
- C.  $20\pi$
- D.  $36\pi$

35. Yon plan jeometrik entèsekte yon kòn nan yon wotè 4 pous apati baz paralèl kòn nan. Kòn nan li menm gen yon baz reyon 6 pous ak yon wotè 16 pous.



Ki volim kòn nan ki gen baz li sou entèseksyon plan jeometrik la?

- A.  $81\pi$
- B.  $111\pi$
- C.  $192\pi$
- D.  $243\pi$