



Haitian Creole Edition
Grade 8 Mathematics Test, Book 1
March 12–16, 2007

Pwogram Egzamen Leta Nouyòk
Egzamen Matematik
Liv 1

Ane **8**

12–16 mas 2007

Non _____



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TRIK POU FÈ EGZAMEN AN

Men kèk sijesyon pou ede ou bay pi bon rannman:

- Asire ou li avèk atansyon tout enstwiksyon ki nan tiliv egzamen an.
- Ou ka sèvi avèk enstriman pou ede ou rezoud nenpòt pwoblèm ki nan egzamen an.
- Li chak kesyon avèk atansyon epi reflechi sou chak repons anvan ou chwazi repons ou.



Pòtre sa a vle di ou pral sèvi avèk règ ou.



Pòtre sa a vle di ou pral sèvi avèk rapòtè ou.

Egzanp A

Ki fòm chak baz yon silend?

- A sèk
- B rektang
- C triyang
- D kare

Egzanp B

Ellen achte 24 ons pwa vèt nan boutik la. Pwa vèt la koute \$1,90 pa liv. Konbyen li peye pou pwa vèt la anvan taks?

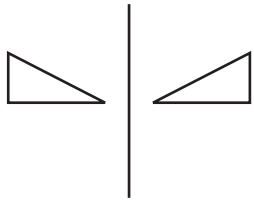
1 liv = 16 ons

- A \$1,90
- B \$2,53
- C \$2,85
- D \$3,80

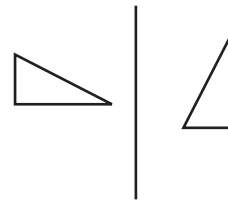
RETE LA

1

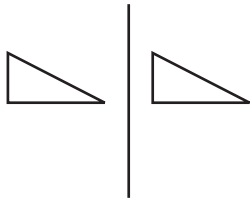
Ki figi anba a ki montre yon refleksyon?



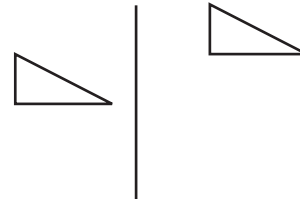
A



C



B



D

2

Anneke ak paran li yo ale nan dine nan restoran yo pi pito a. Bòdwo dine a te \$50,00, epi paran li yo te bay sèvè yo 20% nan bòdwo a pou poubwa. Konbyen lajan paran Anneke te kite kòm poubwa?

- A** \$1,00
- B** \$10,00
- C** \$20,00
- D** \$25,00

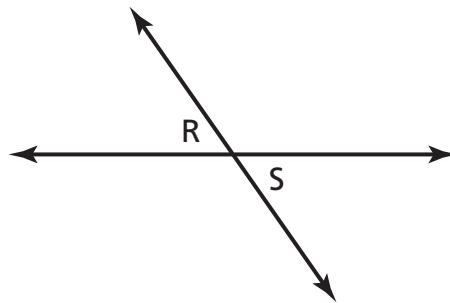
Kontinye

3 Senplifye ekspresyon anba a.

$$12xy - 15x + 6xy$$

- A $-9xy$
- B $3xy$
- C $18xy - 15x$
- D $6xy - 15x$

4 Nan figi ki anba a, $\angle R$ ak $\angle S$ fòm nan de dwat ki koupe.



Si $\angle R$ mezire 55° , ki mezi $\angle S$?

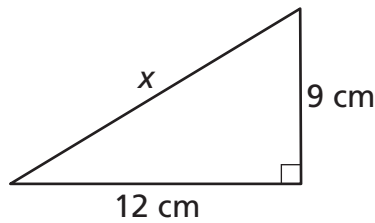
- A 35°
- B 55°
- C 110°
- D 125°

5 Ki valè x ki fè ekwasyon anba a vin vrè?

$$\frac{x+3}{2} = 8$$

- A 1
- B 5
- C 13
- D 19

6 Ki longè, an santimèt, kote x nan triyang rektang ki anba a?



[pa trase selon echèl la]

Teyorèm Pitagò:

$$c^2 = a^2 + b^2$$

- A 8
- B 12
- C 15
- D 21

Kontinye

7

Echèl sou yon kat jeyografik se $\frac{1}{4}$ pous = 12 mil. Distans ant de vil sou kat jeyografik la se $3\frac{1}{4}$ pous. Ki vrè distans ant de vil yo an mil?

- A 37
- B 39
- C 144
- D 156

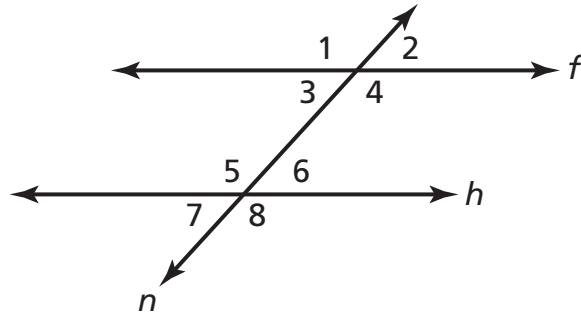
8

Sarah touche 4% komisyon sou tout lavant li yo an mas. Lavant total li yo te \$80.000 an mas. Konbyen lajan li touche nan komisyon yo?

- A \$320
- B \$3.200
- C \$32.000
- D \$320.000

9

Nan dyagram ki anba a, dwat f ak dwat h paralèl, epi dwat n se yon dwat transvèsal.



Ki tèm ki eksprime relasyon ant $\angle 1$ ak $\angle 8$?

- A adjasan
- B korespondan
- C siplemantè
- D konplemantè

10

Ki pwodui $(6a^2b^3c^4)$ ak $(3a^3b^4c)$?

- A $9a^5b^7c^4$
- B $9a^5b^7c^5$
- C $18a^5b^7c^5$
- D $18a^5b^7c^4$

Kontinye

11 Ki sòm $(3 + 3)^2$ ak 2^3 ?

- A 18
- B 20
- C 26
- D 44

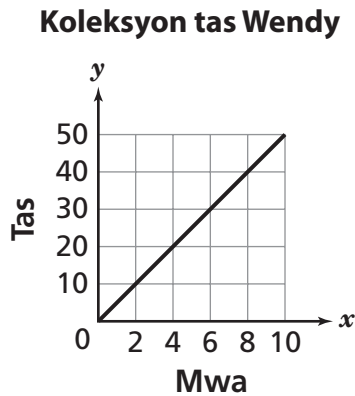
12 Senplifye ekspresyon ki anba a.

$$(3x^3 + 2x^2 - 5x) + (-8x^3 + 3x)$$

- A $-11x^3 + 2x^2 - 2x$
- B $11x^3 - 2x^2 + 8x$
- C $-5x^3 + 2x^2 - 2x$
- D $5x^3 - 2x^2 - 8x$

13

Wendy trase graf ki anba a pou reprezante yon sitiyasyon.



Ki fraz ki entèprete graf la kòrèkteman?

- A Avèk letan koleksyon tas Wendy ap diminye.
- B Avèk letan koleksyon tas Wendy ap ogmante.
- C Avèk letan koleksyon tas Wendy ap ogmante pafwa epi diminye pafwa.
- D Avèk letan koleksyon tas Wendy a rete menm dimansyon.

14

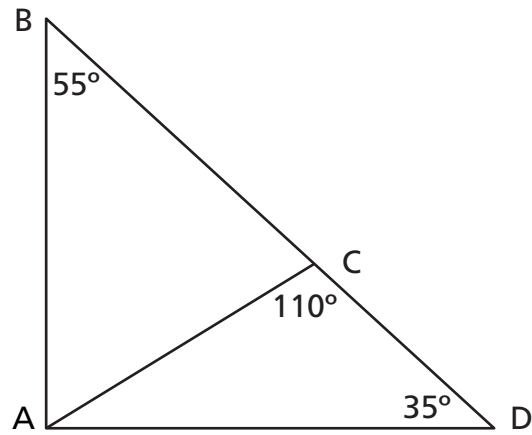
Pou Rosa ka achte yo nouvo platin CD, li dwe sere **omwen** \$85,00. Ki inegalite ki prezante kantite lajan, m , Rosa dwe sere?

- A $m \leq 85,00$
- B $m < 85,00$
- C $m \geq 85,00$
- D $m > 85,00$

Kontinye

15

Ki de ang ki konplemantè nan triyang ki anba yo?

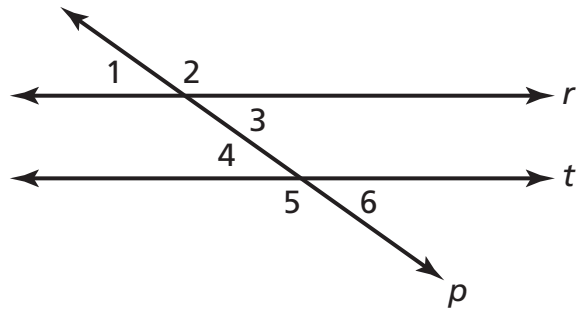


[pa trase selon echèl la]

- A $\angle BAC$ ak $\angle CAD$
- B $\angle CDA$ ak $\angle CAD$
- C $\angle ABC$ ak $\angle BAC$
- D $\angle BCA$ ak $\angle ACD$

16

Nan dyagram ki anba a, dwat r ak dwat t paralèl, epi dwat p se yon dwat ki transvèsal.



Ki ang ki siplemantè?

- A $\angle 1$ ak $\angle 3$
- B $\angle 1$ ak $\angle 2$
- C $\angle 3$ ak $\angle 6$
- D $\angle 3$ ak $\angle 4$

17

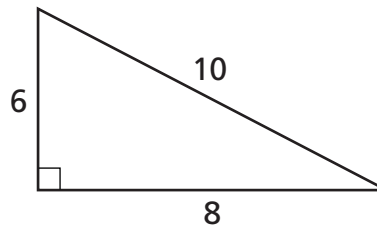
Ki kosyan $\frac{24x^6y^{12}z^{18}}{6x^3y^6z^9}$?

- A $4x^2y^2z^2$
- B $4x^3y^6z^9$
- C $18x^2y^2z^2$
- D $18x^3y^6z^9$

Kontinye

18

Selon teyorèm Pitagò, ki relasyon ki vrè pou kote triyang ki endike anba a?



Teyorèm Pitagò:

$$c^2 = a^2 + b^2$$

- A $8^2 + 10^2 = 6^2$
- B $6^2 + 8^2 = 10^2$
- C $6^2 + 8^2 = 10$
- D $6^2 + 10^2 = 8^2$

19

Yon sache pètpèt mayi 20 ons koute \$2,80. Si pri initè a rete menm, konbyen lajan yon sache pètpèt mayi 35 ons koute?

- A \$3,60
- B \$4,00
- C \$4,50
- D \$4,90

20 Ki pwodui ekspresyon ki anba a?

$$(2x - 5)(2x - 3)$$

A $4x^2 + 16x + 15$

B $4x^2 - 16x - 15$

C $4x^2 + 16x - 15$

D $4x^2 - 16x + 15$

21 Tablo ki anba a montre yon relasyon ant x ak y .

x	y
2	8
4	10
6	12
8	14
10	16

Ki ekwasyon ki reprezante relasyon ant x ak y ?

A $y = 2x$

B $y = 4x$

C $y = x + 6$

D $y = 2x + 2$

Kontinye

22

Bruce bezwen 30 mòso kòd senk pye pou yon pwojè lekòl. Magazen atik kenkayri vann kòd yo pa yad. Konbyen yad kòd Bruce ap bezwen achte?

- A 10
- B 30
- C 50
- D 75

23

Senplifye ekspresyon ki anba a.

$$(3a^2 + 5a - 11) - (11a^2 + 2a - 12)$$

- A $-8a^2 + 3a + 1$
- B $-8a^2 + 7a - 23$
- C $14a^2 + 7a + 1$
- D $14a^2 + 3a - 23$

24

Ki pwodui ekspresyon anba a?

$$(a - 3b)(2a + 2b).$$

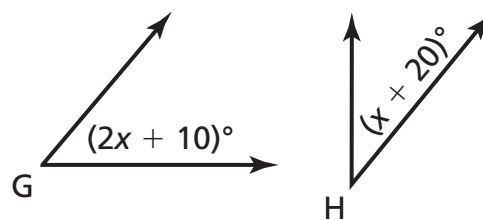
Kimoun ki senplifye ekspresyon an kòrèkteman?

A $2a^2 - 4ab - 6b^2$

B $2a^2 + 4ab - 6b^2$

C $2a - 4ab - 6b$

D $2a + 4ab + 6b$

25Nan dyagram ki anba a, $\angle G$ ak $\angle H$ konplemantè.

[pa trase selon echèl la]

Ki mezi $\angle G$?

A 20°

B 30°

C 40°

D 50°

Kontinye

26

Madmwazèl Esnidè vle achte yon televizyon nan yon magazen elektwonik. Tout televizyon nan magazen an ap vann $\frac{3}{4}$ pou pri orijinal, p . Li gen yon bon rabè \$40 l ap itilize pandan l ap achte. Ki ekwasyon Madmwazèl Snyder ta dwe itilize pou jwenn pri final, f , yon televizyon?

A $f = \frac{3}{4}(p - 40)$

B $f = \frac{1}{4}(p - 40)$

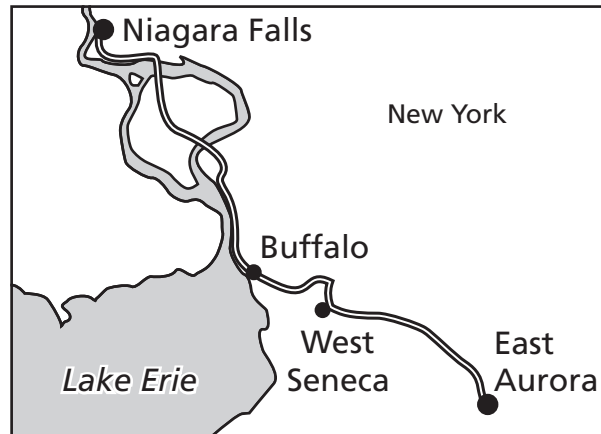
C $f = \frac{1}{4}p - 40$

D $f = \frac{3}{4}p - 40$



Sèvi ak règ ou pou ede w rezoud pwoblèm sa a.

Maria ap planifye yon vwayaj nan oto ant Niagara Falls ak East Aurora.



ECHÈL

1 cm = 5 mil

Ki distans apwoksimatif pou kondui ant Niagara Falls ak East Aurora?

- A 20 mil
- B 30 mil
- C 40 mil
- D 50 mil



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