



**Haitian Creole Edition**  
**Grade 8 Mathematics Test, Book 3**  
**May 5–7, 2010**

**Pwogram Egzamen Eta Nouyòk**  
**Egzamen Matematik**  
**Liv 3**

Ane **8**

**5–7 me 2010**

**Non** \_\_\_\_\_



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## TRIK POU FÈ EGZAMEN AN

Men kèk sijasyon pou ede ou bay pi bon rannman:

- Asire ou li avèk atansyon tout enstriksyon ki nan tiliv egzamen an.
- Li chak kesyon avèk atansyon epi reflechi sou repons lan anvan ou ekri repons ou.
- Asire ou montre travay ou lè yo mande ou pou fè sa. Ou ka resevwa yon pati nan kredi a si ou montre travay ou.
- Sèvi ak kalkilatris ou pou ede rezoud pwoblèm ki nan pati sa a nan egzamen an.

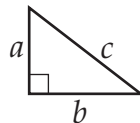


Pòtre sa a vle di ou pral sèvi avèk règ ou.

## Fich Referans Matematik

### FÒMIL

Teyorèm Pitagò


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

Enterè Senp

$$I = prt$$

Fòmil Distans

$$d = rt$$

### KONVÈSYON

Konvèsyon Tanperati

$$F = \frac{9}{5}C + 32$$

$$C = \frac{5}{9}(F - 32)$$

Konvèsyon Mezi

$$1 \text{ mil} = 5.280 \text{ pye}$$

$$1 \text{ yad} = 3 \text{ pye}$$



**34** Rezoud ekwasyon ki anba a pou  $x$ .

$$20x + 5x - 20 = 21x + 4$$

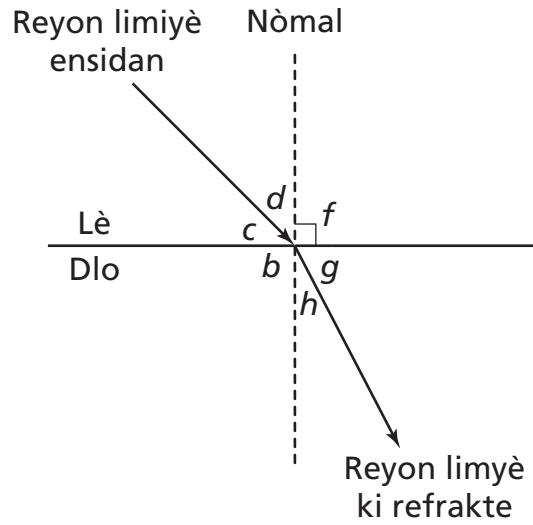
**Montre travay ou.**

**Repons**  $x =$  \_\_\_\_\_

***Kontinye***

35

John revwa dyagram ki anba a pou analize ang refraksyon limyè ki pase atravè lè a pou al nan dlo a.



[pa trase selon echèl la]

Ki ang ki konplemantè?

**Repons**  $\angle$  \_\_\_\_\_ ak  $\angle$  \_\_\_\_\_

$\angle$  \_\_\_\_\_ ak  $\angle$  \_\_\_\_\_

**36** Senplifye ekspresyon ki anba a, sèvi ak lwa ekspozan prensipal yo.

$$(5^4 \times 5^7) \div 5^8$$

**Montre travay ou.**

**Repons** \_\_\_\_\_

**37** Kisa sòm  $(x^2 - 3x + 2)$  ak  $(5x^2 - 3x - 8)$  ye?

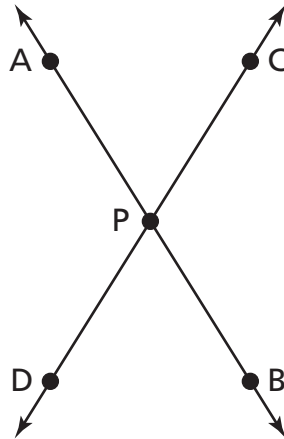
**Montre travay ou.**

**Repons** \_\_\_\_\_

***Kontinye***

38

Nan dyagram ki anba a, dwat AB ak dwat CD entèsekte nan pwen P.



[pa trase selon echèl la]

Nonmen ang ki toujou kongriyan a  $\angle APC$ .

**Repons** \_\_\_\_\_

Sou liy anba yo, eksplike pouki de ang yo kongriyan.

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**39**

Ms. Lembright kòmande kalite mòfenn ki anba a pou yon fèt klas la ap òganize.

- 12 mòfenn ak fwi bè ble pou \$7,20
- 8 mòfenn chokola pou \$4,40
- 6 mòfenn rezen pou \$4,50

Ki kalite mòfenn ki koute **mwens**?

**Montre travay ou.**

**Repons** \_\_\_\_\_ mòfenn

***Kontinye***

**40**

Michael trase yon triyang avèk kote yo ki mezire 12,5 santimèt, 30 santimèt, ak 32,5 santimèt. Itilize teyorèm Pitagò a pou detèmine si triyang Michael la se yon triyang rektang li ye. Sou liy anba yo, eksplike fason ou te jwenn repons ou.

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**41**

Kisa pwodui  $-8x^2y$  ak  $-2xy^3$  ye? Itilize lwa ekspozan yo pou jwenn pwodui a.

**Montre travay ou.**

**Repons** \_\_\_\_\_

**42**

Scott achte yon mont pou 48 dola ameriken. Konbyen kòb mont lan koute an fran swis? Itilize fòmil konvèsyon ki anba a.

$$1 \text{ dola ameriken} = 1,02 \text{ fran swis}$$

**Montre travay ou.**

**Repons** \_\_\_\_\_ fran swis

Scott ta renmen achte yon batri pou 10 dola ameriken. Li gen 10,20 fran swis ki rete l apre l fin achte mont lan. Sou liy anba yo, detèmine si Scott gen ase lajan pou achte batri a. Eksplike fason ou te jwenn repons ou.

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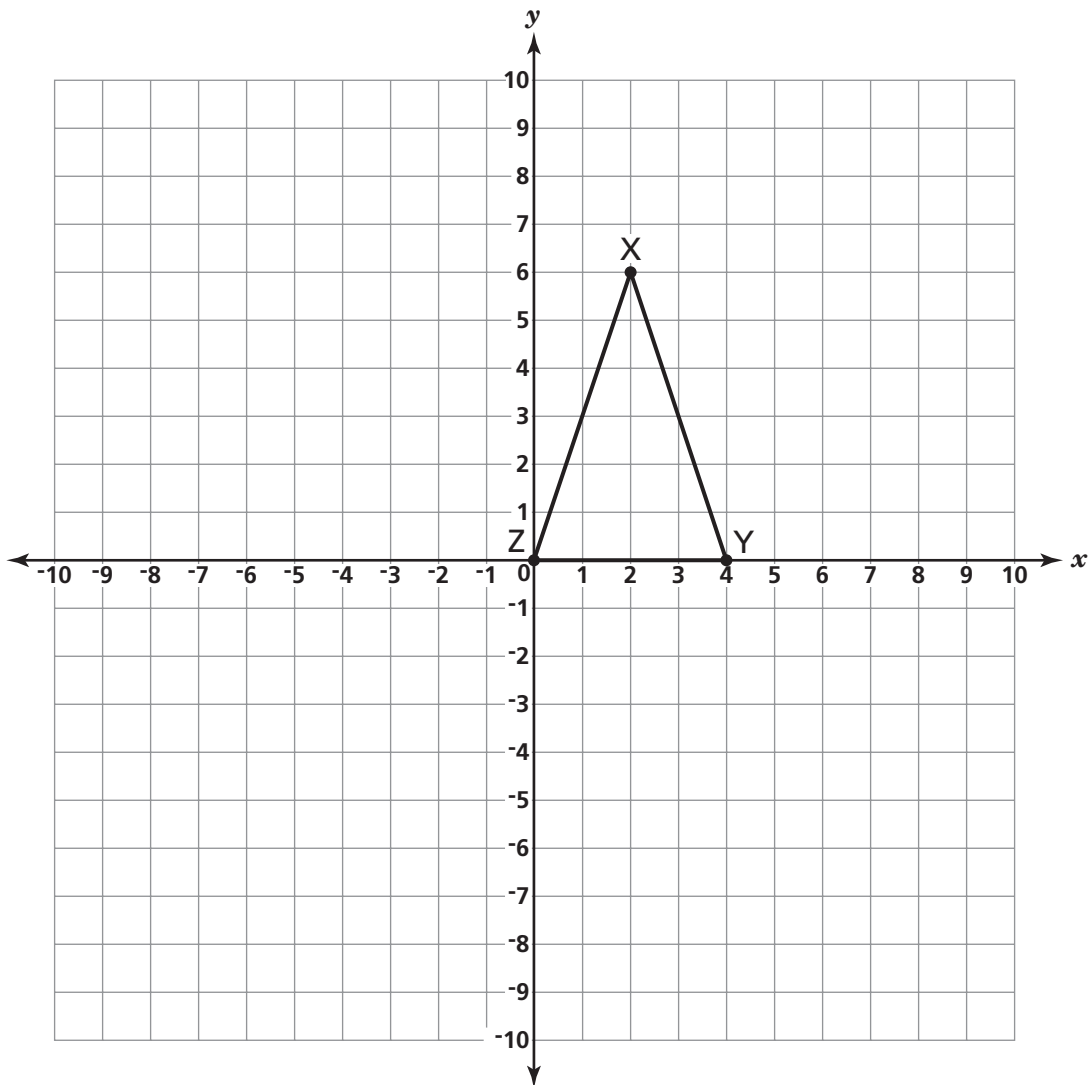
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***Kontinye***

**43** Yo trase triyang XYZ isou kadriyaj ki anba a.



**Pati A**

Sou kadriyaj la, trase imaj pou triyang XYZ apre yon wotasyon  $180^\circ$  nan menm direksyon egwi yon mont apatide orijin lan. Nonmen nouvo triyang lan  $X'Y'Z'$ .

**Pati B**

Sou liy anba yo, eksplike fason ou te jwenn pozisyon pwen Y' la.

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***Kontinye***

**44**

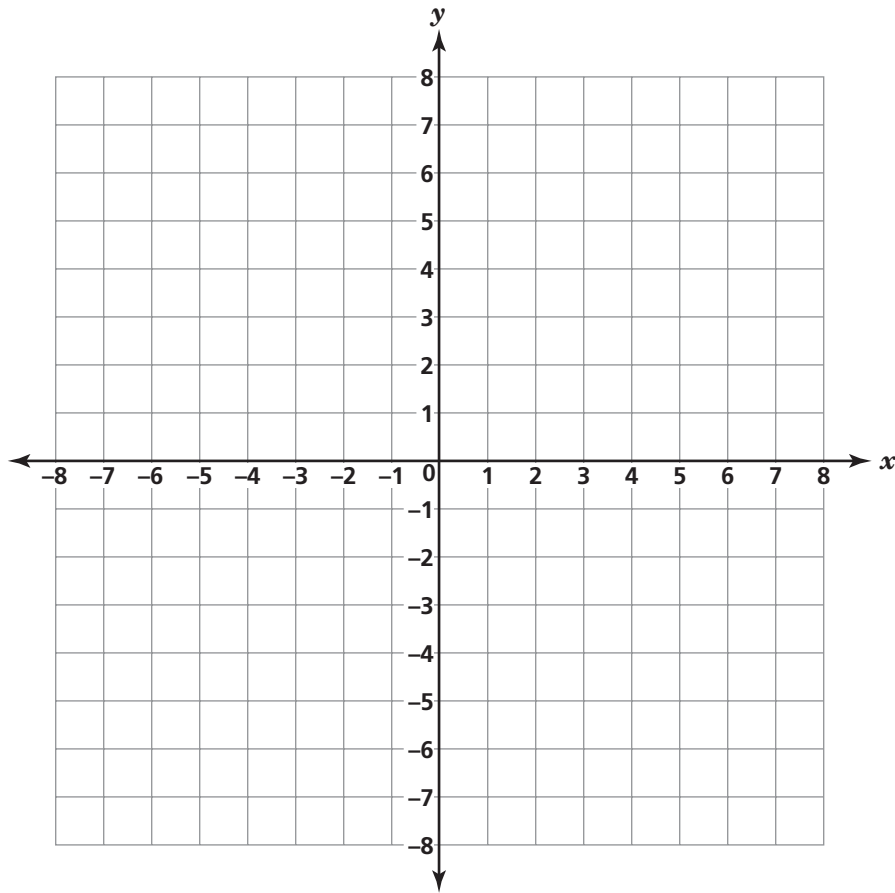
Ken itilize règ fonksyon ki anba a pou kreye yon modèl nimerik.

$$y = 2x + 2$$

Konplete tablo ki anba a sèvi ak règ fonksyon Ken nan.

$x$	$y$
-4	
-2	
0	
1	
3	

Sou plan koòdone ki anba a, make valè pou  $x$  ak  $y$  epi konekte pwen yo avèk yon liy.



***Kontinye***

45

Estime  $805 \cdot 11 \div 22$ .

**Estimasyon** \_\_\_\_\_

Kalkile valè  $805 \cdot 11 \div 22$ .

**Montre travay ou.**

**Repons** \_\_\_\_\_

Sou liy ki anba yo, eksplike pouki estimasyon w lan rezonab.

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**RETE LA**









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Place Student Label Here



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