



Thursday June 7th, 2012


SCHEDULE

WWW.MRPEARCE.CO.NR

Download Handout #1 From Website
[9.1.RLastNameEQAOMiniMock1.pdf](#)

Learning Goals:

Today we will attempt a few problems from the 2006 Winter EQAO Test and share our solutions via Apple TV

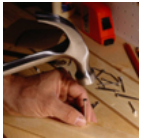


Mind Buster:
Review Unit 2



Unit 9 - EQAO & Exam Prep
Sec. 9.1 - EQAO Mini-Mock Test

GET READY...
Education Quality and Accountability Office
EQAO
IN 7 DAYS



Constructive Criticism:
How Can We Improve?



Winter 2006 #1

1 Asha receives \$10 000.

Asha keeps **half** his money and gives **the rest** to Bertha.



Bertha keeps **half** her money and gives **the rest** to Calvin.

Calvin keeps **half** his money and gives **the rest** to Dane.

Dane keeps **half** his money and gives **the rest** to Evanna.

Which expression shows the dollar amount of money that **Evanna** receives from Dane?

- a $10\,000 \div 2^4$
- b $5000 \times \frac{1}{2} \times \frac{1}{2}$
- c $10\,000 \div \frac{1}{2} \div \frac{1}{2} \div \frac{1}{2} \div \frac{1}{2}$
- d $2500 \div 2$

Winter 2006 #3

2 If $x = 3$, what is the value of $2x^2 + 5x$?

- a 21
- b 27
- c 33
- d 51



Winter 2006 #4

- 3** The cost, C , in dollars to print n leaflets is given by the formula

$$C = 35 + 0.03n.$$

What is the cost of printing 900 leaflets?

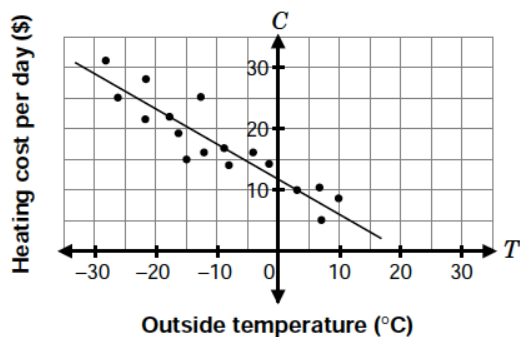
- a \$27.00
- b \$35.00
- c \$37.70
- d \$62.00



Winter 2006 #5

- 4** Duncan records the outside temperature at noon each day. He also records the heating cost per day. The graph shows a scatter plot and a line of best fit for his data.

Heating Cost per Day vs. Outside Temperature



By approximately how much does the heating cost per day **decrease** when the outside temperature increases **by 5°**?

- a \$1
- b \$3
- c \$5
- d \$7



Winter 2006 #9

- 5** How many of these equations represent straight lines?

$$y = x - 2$$

$$y = 2 - 4x$$

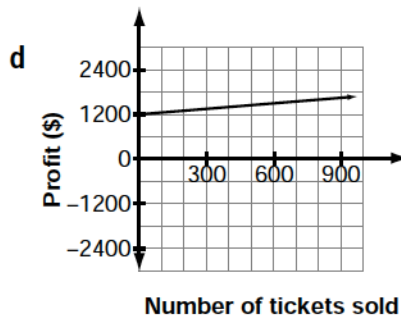
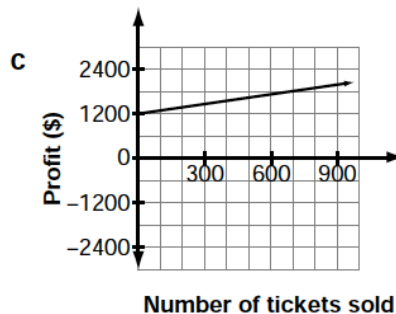
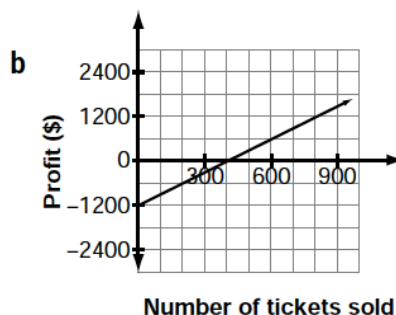
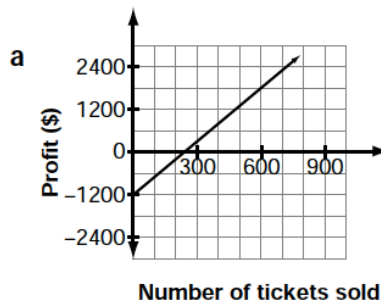
$$y = x^2 + 8$$

- a one
- b two
- c three
- d none

Winter 2006 #6

- 6** A student council is selling tickets to a video dance for \$5 each. The cost of the disc jockey and the equipment is \$1200.

Which of the following graphs represents the relationship between the profit in dollars made by the student council and the number of tickets sold?



TECUMSE
MATH
WI



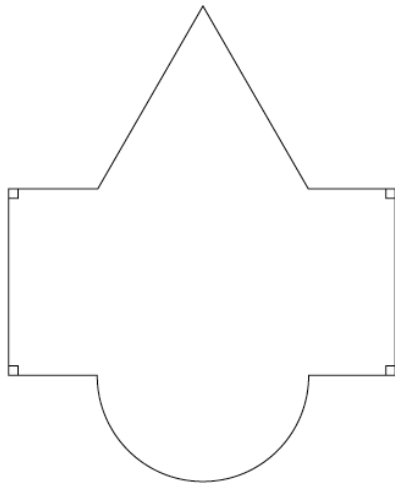
Winter 2006 #11

7 What is the equation of the line that passes through the point $(2, 0)$ and is parallel to the line $y = -3x + 4$?

- a $y = 3x + 2$
- b $y = 3x + 6$
- c $y = -3x + 2$
- d $y = -3x + 6$

Winter 2006 #14

8 The floor plan of the lobby of a hotel is shown below.

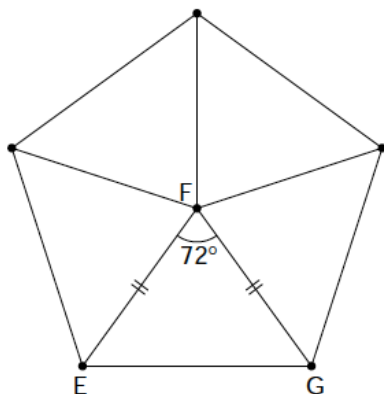


Which of the following formulas is not useful to determine the area of part of the lobby?

- a $\frac{b \times h}{2}$
- b $\frac{\pi r^2}{2}$
- c $\frac{4}{3} \pi r^3$
- d $l \times w$

Winter 2006 #16

- 9** Examine the figure below.



What is the measure of $\angle FEG$?

- a 36°
- b 54°
- c 60°
- d 72°

Winter 2006 #10

- 10** Rearrange $4y - x = 8$ so that it is in the form $y = mx + b$.

- a $y = x + 8$
- b $y = -x + 2$
- c $y = \frac{1}{4}x + 2$
- d $y = -\frac{1}{4}x + 2$



TECUMSEH VISTA ACADEMY
MATHLETES

www.mrpearce.co.nr

5 Sales Goals

Alexis works part-time at a clothing store. She is paid an hourly rate of \$10.25/h and also earns a commission of 3.5% of her total weekly sales.

Alexis works at the store 12 hours a week.

If Alexis's goal is to earn \$150 every week, what do her total weekly sales need to be?

Show your work.