

January 2014 Solutions/answer sheet

1. Question 1

a. $2\frac{7}{8}$

b. $2.39955 = 2.40$

c. Part c

i. Jewellery Question

\$8160

ii. ...

a. $\$68.85 \times 165 - 8160 = \3200.25

b. 39%

2. Question two

a. Part a

i. $x \leq 4$



ii.

b. Part b

i. $(3+a)(x-2y)$

ii. $(p-1)(p+1)$

c. $2k^2 - 7k + 6$

d. Part d, the most convincing solution is to graph both straight lines and show the intersection but it's not worth the marks. Alternate is to solve them simultaneously

$$3x + y = 2 \rightarrow y = 2 - 3x$$

$$4x - 2y = 6$$

$$4x - 2(2 - 3x) = 6$$

$$10x = 10, x = 1$$

And therefore $y = 2 - 3(1) = -1$ so the lines meet at $(1, -1)$

3. Question 3

a. Part a

January 2014 Cxc Math Paper 2

L Darling-Hammond



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