Start here for Question Number: 4

26 max

a) 1000,1750, 2500

$$a = 1000$$
 $n = 9$ $d = 750$

=
$$1000 + 770(9 - 1)$$

= 7000 motors
= 7 km

ii)
$$10 = 1000 + (n-1)750$$

$$10, 11, 12, 13$$

$$10 = 1000 + 750n - 750$$

$$iii)$$
 $sh = \frac{n}{2}(2n + (n-1)d)$

$$=\frac{26}{2}\left(2(1000)+(26-1)750\right)$$

$$9 = \int_{1}^{2} e^{2\pi i x}$$

$$= \frac{e^{2\pi i x}}{2}$$

$$= \left(\frac{e^{2\pi i x}}{2} - \frac{e^{2\pi i x}}{2}\right)$$

$$y = e^{-x}$$

$$= (e^{-x})_{1}^{2}$$

$$= (0.2327)$$

c)
$$m = \frac{q}{12}$$
 $c = \frac{q}{\hbar}$ $s = \frac{q}{12}$ $\frac{q}{11}$ $mn = \frac{1}{11}$ $cc = \frac{1}{11}$

A $cc = \frac{q}{12}$ $cc = \frac{1}{11}$ $cc = \frac{1}{11}$ $cc = \frac{1}{11}$

$$\frac{4}{12} \times \frac{3}{11} = \frac{12}{11}$$

$$= \frac{12}{132}$$

$$\frac{4}{11} \times \frac{3}{11} = \frac{12}{11}$$

$$\frac{11}{11} \times \frac{3}{11}$$

$$\frac{11}{11} \times \frac{3}{11}$$

$$\frac{11}{11} \times \frac{3}{11}$$

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$$d$$
 | $f(n) = 1 + e^{x}$

$$f(x) + f(-x) = 1 + e^{x} + 1 + e^{-x}$$

= 2 + e^{x} + e^{-x}

$$= 1 + e^{-x} + e^{-x^{2}} + e^{x}$$

$$f'(-x) = e^{x}$$



You may ask for an extra Writing Booklet if you need more space to answer question 4.