4

Estimate $\sqrt{\dfrac{3855}{37.5}}$

Answer _____ [2]

12. a, b and c are standard form numbers.

$a = 5.4 \times 10^4$ $b = 4.9 \times 10^5$ $c = 4 \times 10^6$

(a) Calculate b − a

....
(2)

(b) Calculate c^2

....
(2)

(c) Calculate ac

....
(2)

8. Solve the simultaneous equations

$$3x + 2y = 16$$
$$2x - 3y = 2$$

Do not use trial and improvement

x = ... y = ...

(4)

11. The number of visitors to some tourist attractions is shown in the table below.

The King's Palace	5.4 million
Castle	923,840
Theme Park	1.43×10^7
Science Museum	4,192,900

(a) Write the number of visitors to the Theme Park as an ordinary number.

....

(1)

(b) Write the number of visitors to the Castle in standard form.

....

(1)