Standard Form - Questions

1. Write the following as ordinary numbers:

    a) $4.235 \times 10^{-3} =$

    b) $0.0102 \times 10^4 =$

    c) $33.2006 \times 10^{-2} =$

    d) $124.35 \times 10^{-3} =$

    e) $4349.457 \times 10^6 =$

2. Write the following numbers in standard form:

    a) $0.00297 =$

    b) $255.67 =$

    c) $1000237 =$

    d) $126.003 \times 10^{-3} =$

    e) $0.0000284 =$

3. Carry out the following operations (Multiplication and division) in standard form.

    Give your final answer in standard form.

    a) $(2.4 \times 10^5) \div (4 \times 10^3) =$

    b) $(3 \times 10^6) \times (2.1 \times 10^4) =$

    c) $(5.2 \times 10^{-6}) \div (5 \times 10^3) =$

    d) $(3.35 \times 10^4) \times (3 \times 10^{-7}) =$

    e) $(0.4 \times 10^{-7}) \div (0.02 \times 10^{-5}) =$

4. Carry out the following operations (Addition and Subtraction) in standard form.

Give your final answer in standard form.

a) $(8.07 \times 10^6) + (8.58 \times 10^6) =$

b) $(7.19 \times 10^{-7}) - (3.27 \times 10^{-7}) =$

c) $(3.99 \times 10^7) + (8.69 \times 10^8) =$

d) $(4.54 \times 10^5) - (1.31 \times 10^4) =$

e)$(4.76 \times 10^2) + (7 \times 10^{-1}) =$

5. Square A has sides of length 0.00357 metres. Calculate the area of the square. **Give your answer as a number written in standard form.**

6. Square B has **perimeter** of length 9.6×10^6 m. What is the length of the side of square B?

7. The **area** of rectangle C below is 9×10^8 m^2. Find the length of side y.

$$3 \times 10^{-1}$$

y