

Name: _____

Period: _____

Seat#: _____

1) Rearrange to solve for the variables using the expression below.

$$\frac{ab}{xyz} = 1$$

a = _____

x = _____

z = _____

b = _____

y = _____

Solve the problems. The “E” stands for “x10” so $3E^6$ means 3×10^6 , you can use a calculator!

2) $3E^6 \times 2E^2 =$

6) $= \frac{5E^{11}}{6E^3} =$

3) $6.4E^{15} \times 7.3E^{23} =$

4) $9.1E^{-2} \times 4.4E^{-6} =$

7) $= \frac{1E^{20}}{1E^{10}} =$

5) $= \frac{4.8E^{-19}}{2.1E^{-5}} =$

8) $1.01E^2 + 2.00E^7 =$

11) $7.6E^4 - 3.6E^3 =$

9) $3.27E^9 + 6.12E^{-7} =$

12) $8.0E^5 - 6.4E^1 =$

10) $2E^{-31} + 4E^{-60} =$

13) $2.1E^{-23} - 2.1E^{-11} =$

Convert units then put the answer in scientific notation.

14) 75 mL = _____ L _____ L

15) 82 m = _____ cm _____ cm

16) 0.1298 km _____ mm _____ mm

Forgot how?

Metric Conversions:

tinyurl.com/bcva5sds



Scientific Notation:

tinyurl.com/55s5b36n



17) Use the internet to look up the equation to solve for the physical property of DENSITY.

Density =

18) Calculate the mass for an object with a density of 2 g/mL and a volume of 6 mL. Show all work and make sure to include units next to the numbers you plug in.