

Name: _____

Score:

20

WC Bryant HS - Regents Physics
Worksheet – Math Review #1 (20 points)

Show all work!

Find a numerical solution for 'x'.

1) $5x - 15 = 25$

2) $2x^2 + 3 = 5$

3) $4x^3 = 2x^{-1}$

4) $5 = \sqrt{x} + 3$

Solve in terms of 'd'.

5) $6dh = 2y$

6) $\frac{r^2}{d^2} = Gt$

7) $\sqrt{d} = 4h$

Use a calculator to evaluate each expression.

8) $1.5 \times 10^6 + 0.35 \times 10^7 =$ _____

9) $2.5 \times 10^4 - 1.2 \times 10^3 =$ _____

10) $2.3 \times 10^4 * 4.2 \times 10^3 =$ _____

11) $1.5 \times 10^2 / 7.1 \times 10^{-3} =$ _____

Write the number shown in scientific notation.

12) 2756 → _____

13) 30500 → _____

14) 0.00146 → _____

15) 0.00004 → _____

16) 520 → _____

17) 0.0024 → _____

18) 50007 → _____

19) 3×10^6 → _____ (write in decimal form)

20) 6×10^{-4} → _____

21) 230. → _____ significant digits