

Conceptual Physics
Mr. Clark

Name:
Period:

Topic: Math Review
Decimal answers only, Show all work!

A) Solving Equations

1) $F = m \cdot a$, solve for a

2) If $d = \frac{1}{2}a(t^2)$, solve for t . $t =$

3) If $V = 2 \cdot a \cdot d$, solve for V if $a = 10$ and $d = 2$

4) $x = v + a \cdot t$, solve for a if $x = 12$ $t = 3$ $v = 11$

5) Find the average of this set of numbers: 23, 25, 32, 16

6) $(1.94 \times 10^{-4}) + (3.75 \times 10^{-5}) - (4.21 \times 10^{-4}) =$

7) $(10) (1.94 \times 10^{-4}) (1.94 \times 10^{-4}) (32) =$

8) $\frac{1}{3.5} + \frac{1}{1.2} = \frac{1}{f}$ solve for f . $f =$

9) $\frac{1}{x} + 5 = 12$ solve for x . $x =$

10) Convert 1 cm to meter

11) Convert 10 m to millimeters

12) Convert 1 km to meters

13) If $2x + y = 25$ and $y=6$, solve for x and y .

$x =$ $y =$

14) If $4x + 15y = 100$ and $6y = 48$, solve for x and y .

$x =$ $y =$