Name: Period:

HW-1:1 — The Math Code Mr. Murray, IPC www.aisd.net/smurray

Assigned: Tues., 1/6/04 **Due: Thurs., 1/8/04**

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Use the units to match the variables on the left

10 kgm/s

5 sec

65 kilograms

30 joules

58 meters 89 m/s^2

8 newtons

| 1.a = | |
|----------------|--|
| 2. S or $v = $ | |
| 3. m = | |

32 meters/sec

4. D = ____ 5.F =

6.p =7. T = ____

8. E = ____

Fill in the math functions

$$S_2 - S_1 = S_2$$
 _____ S_1

F/a = F a

Tv = T _____ v

 $mv = m _{v}$

D = Tv To move v you would have to:

 $S = \Delta D/\Delta T$ To move ΔT you would have to:

 $\Delta S = S_2 - S_1$ To move S_1 you would have to:

Do Problems on back

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|-------------|----------|
| 2. S or v = | 5 sec |

$$7. T = _____ 89 \text{ m/s}^2$$

Fill in the math functions

$$S_2 - S_1 = S_2$$
 _____ S_1

$$F/a = F$$
 _____ a

$$T\mathbf{v} = T$$
 _____ \mathbf{v}

$$mv = m$$
 _____ v

Do Problems on back

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Do Problems on back

| Name: | | Problems—don't forget | | 11 ** 1. | |
|---------|-----------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------|----------|--|
| Period: | | the front side | | | |
| | Car starts from rest and ends up 45 meter away. Find ΔD . (Show the steps for credit) | | A car travels 120 meters in 3 seconds. Find the speed of the car. (Show all 5 steps for credit) | | |
| | | | | | |
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