Name: Date: Period:

Chapter 2 (One-Dimensional Kinematics)

Homework Check A (collected Fri, Aug 15)

Reading

Please read the following on your own in the OpenStax textbook by the dates given. It will give good context for class discussion. Check off when you have completed them.

- ◯ 2.1 Displacement ..... Wed, Jul 30
- ◯ 2.2 Vectors, Scalars, and Coordinate Systems ..... Thu, Jul 31
- ◯ 2.3 Time, Velocity, and Speed ..... Fri, Aug 1
- ◯ 2.4 Acceleration ..... Tue, Aug 5
- ◯ 2.8 Graphical Analysis ..... Fri, Aug 8

Problems and Conceptual Question

Get stamps from your instructor as you complete each of the following problems. The conceptual questions (CQ) require at least one sentence of explanation.

2.1 (3 Points) P #1-4 CQ #2-3	**2.3** (3 Points) P #5,7 CQ #6
2.4 (5 Points) P #16,17,19 CQ #13-15	**2.8** (4 Points) P #59,61 CQ #26-28

Equations

$\bar{v} = \frac{\Delta x}{\Delta t}$ $\bar{a} = \frac{\Delta v}{\Delta t}$ $v = v_0 + at$ "Old Faithful" $x = x_0 + v_0 t + \frac{1}{2}at^2$ "Big Chalupa" $v^2 = v_0^2 + 2a\,(x - x_0)$ "Ain't Got No Time"

$$1\,\text{m/s} = 3.6\,\text{km/h}$$

Name: Date: Period:

Chapter 2 (One-Dimensional Kinematics)

Homework Check B (collected on Test Day - Tue, Aug 26)

Reading

Please read the following on your own in the OpenStax textbook by the dates given. It will give good context for class discussion. Check off when you have completed them.

- ◯ 2.5 Motion Equations ..... Wed-Thu, Aug 11-12
- ◯ 2.6 Problem Solving Basics ..... Wed-Thu, Aug 11-12
- ◯ 2.7 Falling Objects ..... Mon, Aug 18

Problems and Conceptual Question

Get stamps from your instructor as you complete each of the following problems. The conceptual questions (CQ) require at least one sentence of explanation.

2.5 (10 Points)	**2.7** (10 Points)
P #20,22,23,27,28,30,31 **HW Quiz on Mon, Aug 18**	P #41,43,45,47,49,51 CQ #20,21,22,24

Bonus Problems! P#32, 55, 57 ..... Turn in separately on test day!

Test will be on Tue, Aug 26.

Equations

$$\bar{v} = \frac{\Delta x}{\Delta t} \quad \bar{a} = \frac{\Delta v}{\Delta t}$$

$$v = v_0 + at \quad \text{“Old Faithful”}$$

$$x = x_0 + v_0 t + \frac{1}{2} a t^2 \quad \text{“Big Chalupa”}$$

$$v^2 = v_0^2 + 2a\left(x - x_0\right) \quad \text{“Ain’t Got No Time”}$$

$$1\,\text{m/s} = 3.6\,\text{km/h}$$