Name: Date: Period:

Chapter 2 (One-Dimensional Kinematics)

Homework Check A (collected XXXXXX)

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 XXXXXX
- ◯ 2.2 Vectors, Scalars, and Coordinate Systems XXXXXX
- ◯ 2.3 Time, Velocity, and Speed XXXXXX
- ◯ 2.4 Acceleration XXXXXX
- ◯ 2.8 Graphical Analysis XXXXXX

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 #1-3	**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 #26-29

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" $v^2 = v_0^2 + 2a\left(x - x_0\right)$ "Ain't Got No Time"

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

Name: Date: Period:

Chapter 2 (One-Dimensional Kinematics)

Homework Check B (collected on Test Day)

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 XXXXXX
- ◯ 2.6 Problem Solving Basics XXXXXX
- ◯ 2.7 Falling Objects XXXXXX

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) P #20,22,23,27,28,30,31 **HW Quiz on XXXXXXXXXX**	**2.7** (10 Points) 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 XXXXXXXXXX.

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"

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