**1.**

In submitting my self assessment, I state honestly that I carefully worked through these WB questions, that I reviewed the solutions and found some difference between my answer and the posted answer, which I noted in a different color of ink in my workbook. There is evidence of this in my workbook that consists of more than just check marks and a number 3 or 2 or 1 on the work.

A) YES, I affirm this is true and agree to all of these conditions.

B) No, I cannot affirm and/or cannot agree to these conditions at this time and therefore forfeit my integrity points this time. I will continue with this workbook assessment submission, and think about how hard it is to actually comply with these simple integrity challenges.

**Correct answer(s):** A

**2.**

When I scored my work compared to the posted Workbook answers for this chapter, my score fell within a range between 0-100%. Please select which range your score fell within.

Select **ALL** category ranges **below** your actual score **and** the option including your actual self score.

For example: **if you** self assessed your work to be a total of 76% you would select all the choices A, B, C, D, E, F, G and H. Your score will increase by 10% for each one of the options you check: so 10% for A, 10% for B etc... Therefore, if you only select one of the options, you will only get 10%. So, read these instructions carefully please.

For example, if you scored 67%, then select A, B, C, D, E, F AND G . After you submit your answer, you might see something like "

|  |  |  |
| --- | --- | --- |
| **Points Earned:** | 7.0/10.0 |  |
| **Correct Answer(s):** | A, B, C, D, E, F, G, H, I, J |  |

" this means you have SUCCESSFULLY posted 7/10 or 70% as your score.

A) 0-10%

B) 11-20%

C) 21-30%

D) 31-40%

E) 41-50%

F) 51-60%

G) 61-70%

H) 71-80%

I) 81-90%

J) 91-100%

**Correct answer(s):** A, B, C, D, E, F, G, H, I, J

**3.**

A bungee jumper steps off a high bridge gaining kinetic energy for a while and then losing kinetic energy until stopping just above the water level in the creek below. Of course, the jumper then flies back up and falls again. Use a vertical coordinate system with zero at the bridge deck, and the negative direction as down and assume the thermal energy generated is neglibile during the first ride down. Position A is at the top before the jump, Position B is when the bungee cord is firt beginning to stretch, Postion C is at the first stopping position above the creek, and Position D is the 2nd stopping position immediately following the first approach to the creek.

Using the following notation**WgeeC =** work by bun*gee* at position C, **KC**= Kinetic energy of jumper at postion **C**,

**UgC**= gravitational potential energy at position **C**, and **EtotC**= the total Energy of the system at position C, consider the following statements about the work done by the bungee cord.

Determine which of the following statements are true or false. Enter a T for true or F for false in the answer position.

1. **WgeeC = UgC=** gravitational potential energy at position C is a statement.

2. **WgeeB = KB - UgB** at position B is a statement.

3. **WgeeD = 2WgeeC**  is a statement.

**Correct answer(s):**

Box 1: T;

Box 2: F;

Box 3: F