## Worksheet: Day 2.2

FEB

4

GRADE

Test in DAY 2 - IN CLASS



\*\*\*Please note that you must finish this assignment before you leave today in order to receive full credit for attendance.\*\*\*

Please use the following equation sheet for reference:

Test1Equationsheet.pdf (https://assethub.fso.fullsail.edu/assethub/Test1Equationsheet\_426ce67a-3564-4078-b8d4-ed93a5a765d5.pdf)

Select "Yes." below.

0pts

- A box is pushed with a force of 50 N across a distance of 3 m. How much work is done on the box?
- 3 How much kinetic energy does a skater have before he starts to skate?

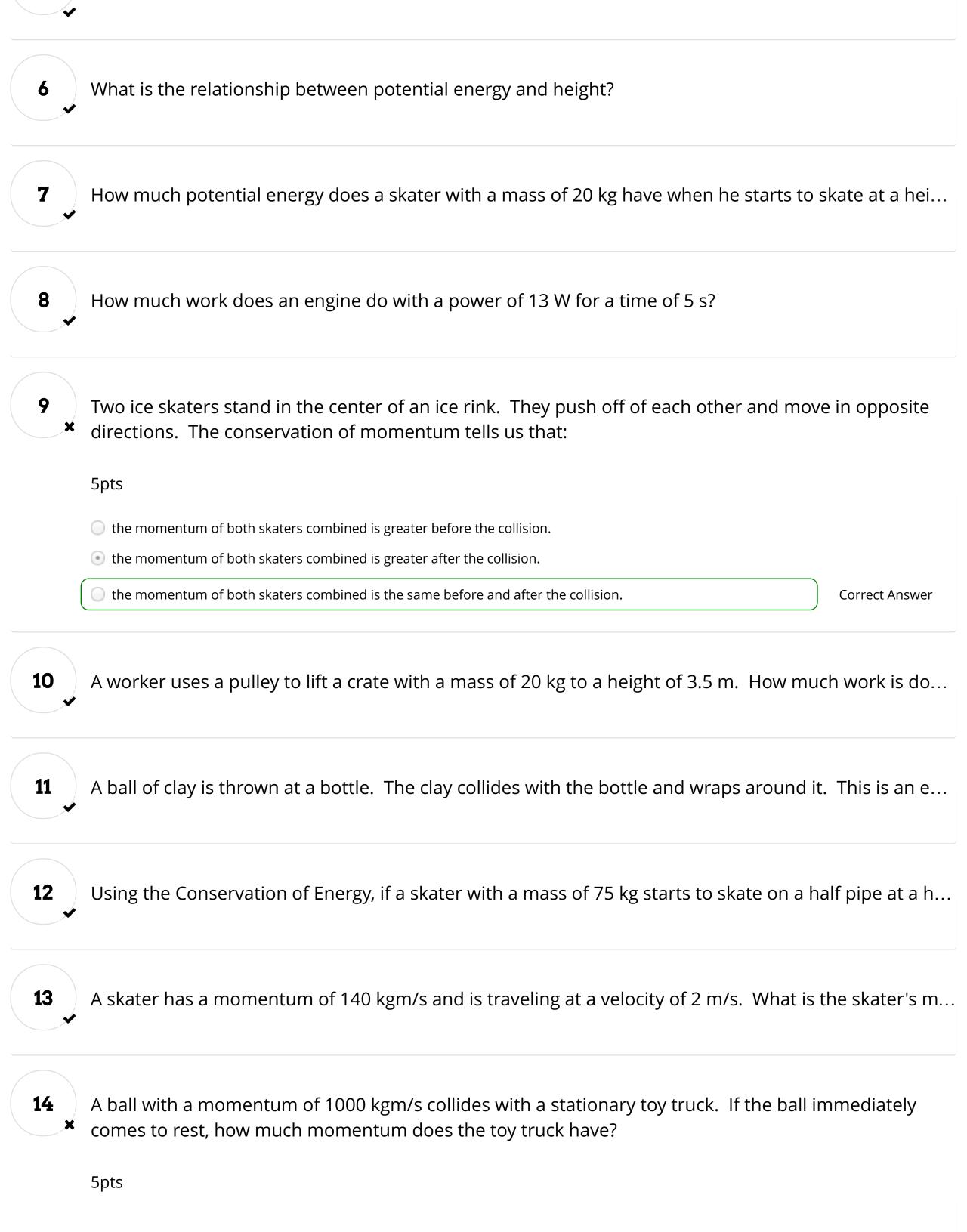
5pts

9.8 J

0 J

Correct Answer

- 300 J
- Not enough information to answer.
- 4 How much momentum does a biker with a mass of 72 kg have when moving at a velocity of 13.4 m/s?
- **5** A car with a mass of 1500 kg is traveling at a velocity of 7 m/s when it hits a stationary car with a mas...



	0 kgm/s
	O 1000 kgm/s Correct Answer
	There is not enough information.
15	How much force does a conveyer belt apply to an object if it does 140 J of work to move the object a
16	How much kinetic energy does a skater with a mass of 70 kg have when he moves at a velocity of 7
17	What is the power of a conveyer belt that does 700 J of work in a time of 5 seconds?
18	A skater with a mass of 80 kg rolls down a half pipe from rest. At the bottom of the ramp, he has a v
19	At what height will an object with a mass of 14.9 kg have a potential energy of 949.13 J?
20	How much distance was covered by an object that did 317.52 J of work using a force of 12.96 N?
21	How much potential energy does an object have at a height of 0 m?
You subm	nitted this activity 5 days ago.
Comments	
Donald Johnson This test has been automatically graded.	