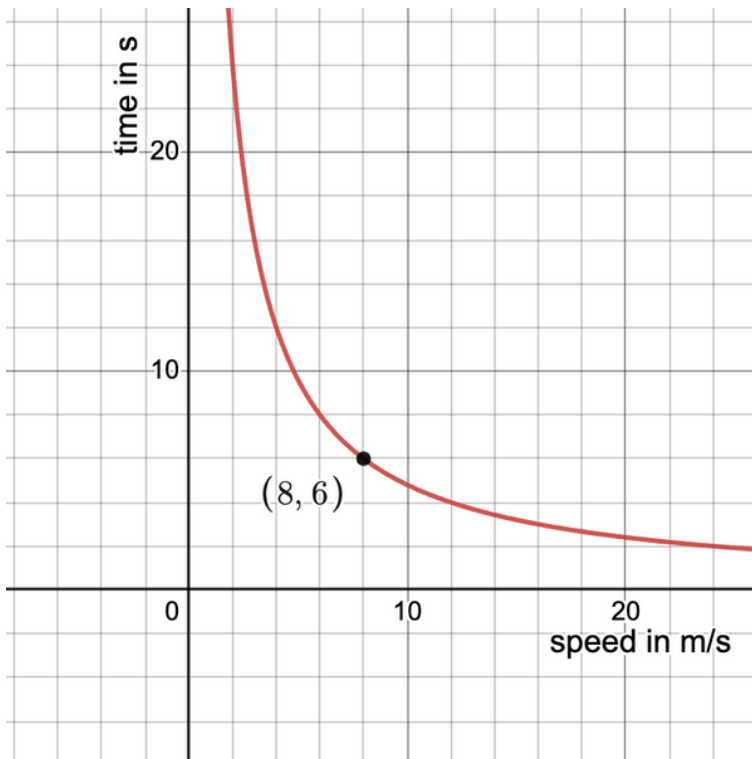


# 1. What is Physics

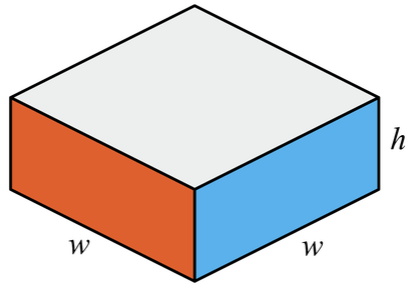
1) The notes have to be filled out during class.

- A. True
- B. False

2) The graph shows the relationship between the speed of travel and the time needed to cross a football field. What is the meaning of the point ?



- A. It takes 8 seconds to cross the field at a speed of 6 m/s.
- B. It takes 6 seconds to cross the field at a speed of 8 m/s.
- C. It takes 6 seconds to cross the field 8 times.
- D. It takes 8 seconds to cross the field 6 times.



3)

The formula  $w^2h$  will give the volume of a box with a square base of width  $w$  and a height  $h$ . What is the volume of a box with a width of 3 m and a height of 2 m?

\_\_\_\_\_ m<sup>3</sup>

4) Mechanics is the branch of physics concerned with

- A. the motion of bodies under the action of forces
- B. the relationship between heat, work, temperature, and energy
- C. the motion of light including reflection, refraction, diffraction, and interference
- D. the study of mechanical waves in different mediums

5) Which branch of physics studies sound?

- A. Optics
- B. Acoustics
- C. Thermodynamics
- D. Mechanics

Key:  
1. B  
2. B  
3. 18  
4. A  
5. B