

# Riviera International Academy

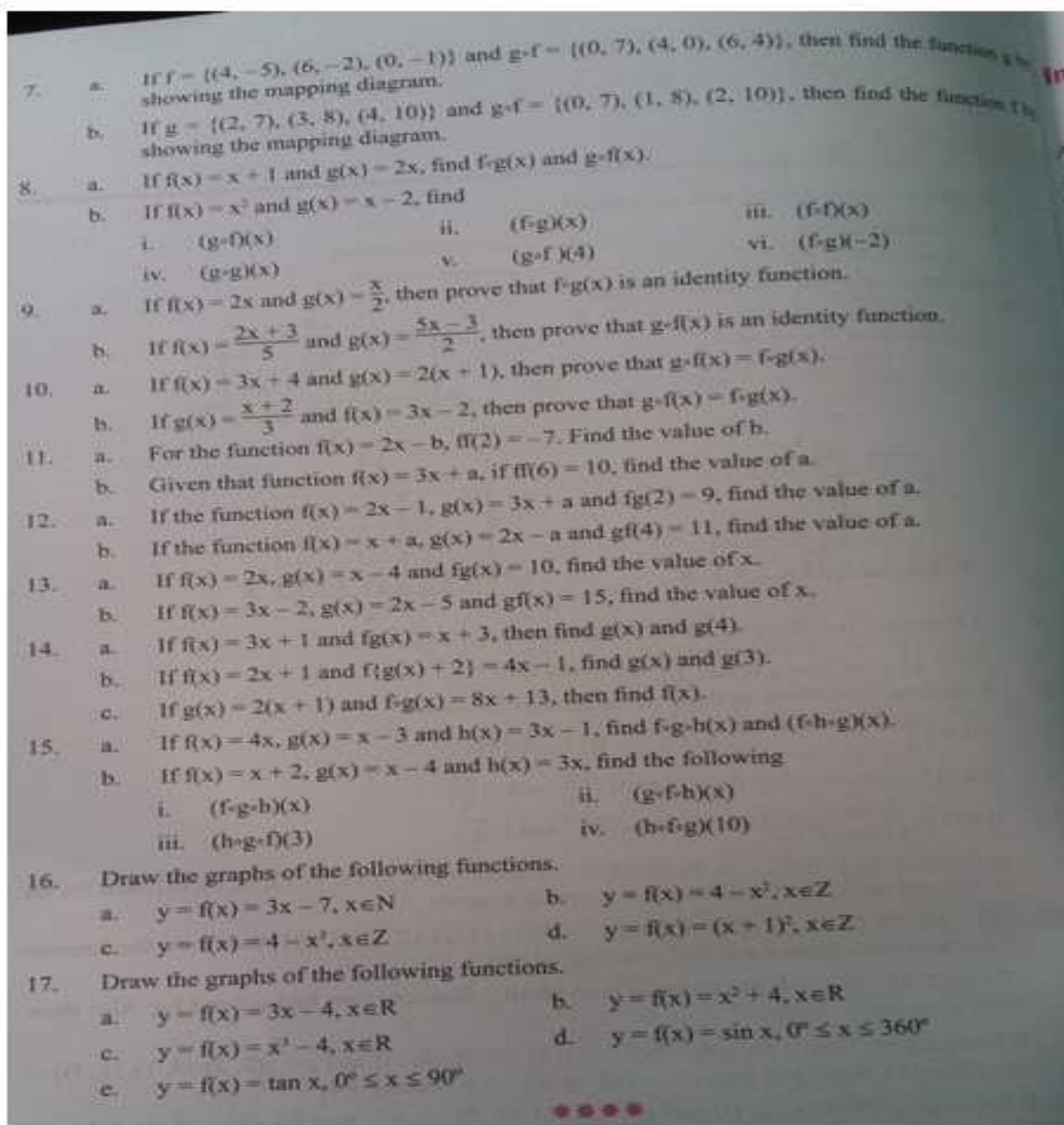
## Assignment-2077

(Ashad 03, 2077, Wednesday)

Class: Ten

Subject- Opt. Mathematics

Source: Photo of exercise is given below.



Homework: Complete your remaining work.

### **Subject- Science**

1. It is easier to pull a bucket inside the water of well, why?
2. When helium filled balloon is released in air, does it continuously rise upward? Write with reason.
3. Prove that  $U=dgV$ . Also explain that this relation is same as statement of Archimedes' principle.
4. On which factors upthrust depend? Write its SI unit.

### **Subject-HPE**

1. What is development? Explain in two paragraphs.
2. What is sustainable development? Differentiate between sustainable development and unsustainable development.

[Note: The reference material is found in HPE classroom]

**The End.**