# **Lab 7: ECG**

## **PRE-LAB Report (5 pts)**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer these questions BEFORE you come to your laboratory session. All answers can be found in the physiology lab manual. By doing this prelab, you will have a better understanding of the physiological concepts of this exercise.

1. Where do the electrical impulses generated by the heart’s electrical conduction system begin?
2. Explain what causes the plateau seen in a cardiac action potential in a cardiac contractile cell.
3. On a normal ECG, what do each of the following represent?
4. P wave
5. QRS wave
6. T wave
7. Why is Willem Einthoven important to a discussion of electrocardiography?
8. The main direction of depolarization as it travels through the ventricles is called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.