

Week 7 Pre-Lab

BIOE 320 Systems Physiology Laboratory

Student Name:

Total Grade: /10

1. Which Korotkoff sound is used to approximate systolic pressure? Diastolic pressure?
2. Why is mean arterial pressure not equal to the average of systolic pressure and diastolic pressure?
3. Define pulse pressure. Why does pulse pressure increase during exercise? Explain in terms of changes in systolic and diastolic pressures.
4. Give three sources of error in the indirect method of determining systemic arterial blood pressures.