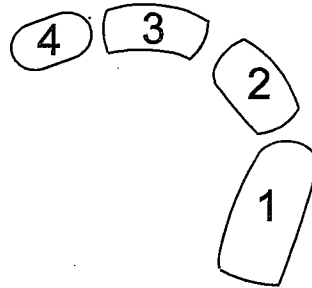


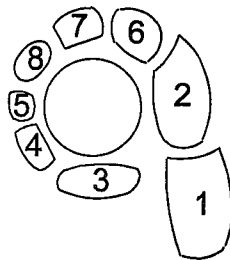
## CHAPTER 2 SOLUTIONS

### Section 2.1

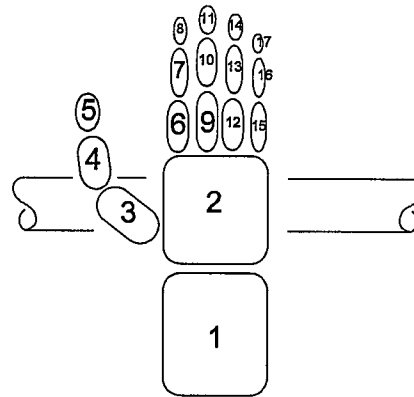
#### P2.1.1



#### P2.1.2

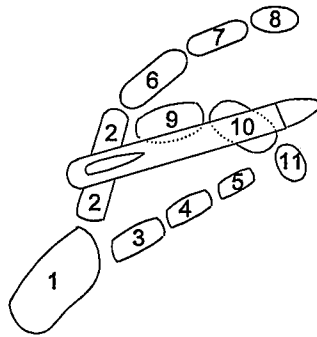


End View



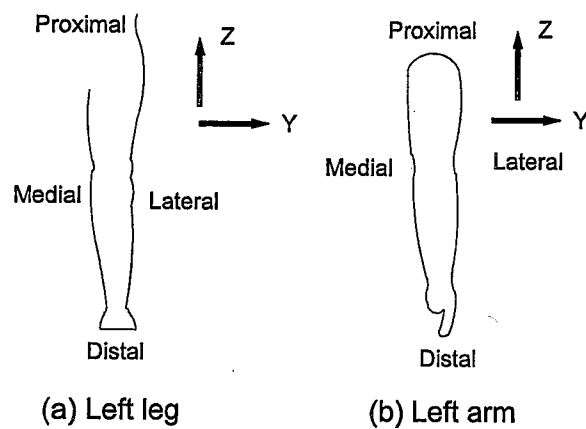
Top View

P2.1.3



## Section 2.2

P2.2.1



## Section 2.3

P2.3.1 For the right leg movement shown in Figure 2.18, adduction (a) is a **positive** X-rotation; and abduction (b) is a **negative** X-rotation.

P2.5.1 The upper arm is in adduction relative to the chest and the elbow is in extension.

P2.5.2 Estimates: Upper arm adduction: 5 degrees; Elbow extension: 10 degrees.

## *Section 2.6*

- P2.6.1    a) Standing from a sitting position  
                    Contraction: quadriceps and triceps
- b) Walking  
                    Contraction: hamstrings and triceps
- c) Simple standing jump  
                    Contraction: quadriceps and triceps

## *Section 2.7*

- P2.7.1    The measured data should be reasonably close (less than 10% difference) from the tabular data.