Aero 2 Recommended Assessment
Hardware Interfacing

1. In what direction does the disk rotate (clockwise or counter-clockwise) when a positive input is applied in step 3 in Driving the DC Motor section of the Hardware Interfacing – Lab Procedure?

2. When a positive voltage is applied, does the propeller accelerate the air downwards or upwards?

3. In step 7 of the Reading the Tachometer section of the Hardware Interfacing – Lab Procedure, briefly explain your procedure to determine the relationship and give a formula that would give the approximate speed for a given voltage. Over what range of voltages does this formula apply?