Do any six; that is, you can omit one.

1. *Griffiths*, **12.43**

2. *Griffiths*, **12.44**

3. *Griffiths*, **12.45** Choose any two "Systems" (frames) from the three.

4. *Griffiths*, **12.46**

5. *Griffiths*, **12.51**

6. *Griffiths*, **12.54**

7. *Griffiths*, **12.67** You just need to find the (simple) motion of the charge in the transformed system. You can just make an eduated guess as to what the motion is like in the lab system.