**Physics 202 … Practice Problems**

**AC Circuits … Part A**

1. 10.5 
2. 52.8 rad/s
3. 41.5 mH

1. 11.3 
2. 6.13 rad/s
3. 87.1 F

1. 0.120 A
2. 84.7 V
3. 3510 

1. 0.0153 A
2. 6.58 V
3. 3850 

1. 0.0724 A
2. 491 V
3. 969 

1. 71.5 
2. 80.8 
3. 45.4 

1. (a) ‒ 51.0° (b) lag
2. (a) ‒ 50.4° (b) lag
3. (a) 31.1° (b) lead

1. 0.703
2. 0.975
3. 0.973