Chapter 10:

1. Questions For Review numbers 4,5 (p. 303).

For #4 add: What if government spending increased rather than the money supply?

2. Problems and Applications number 3 (p. 304).

Note: with a fixed money supply, a decline in velocity is a decline in spending.

Chapter 11:

- 3. Questions For Review numbers 1,3,4 (p. 329).
- 4. Problems and Applications 1,2,4 (p. 330) with the following modifications.
 - 2. For consistency with the next chapter, please interpret the assumption that I=200 as follows: $I=300-25\,r$, and r=4. I.e., investment depends on the real interest rate r (which is expressed here as a percentage rate), but for now we are assuming that this rate is fixed at 4 percent per year and consequently that investment is fixed at 200 per year.
 - Please add the following parts.
 - 2f. Consider the dynamics of the multiplier process in part **c**. If each round of spending in the multiplier took one month, how close to the new equilibrium would the economy be four months after the increase in government purchases?
 - 2g. Reconsider parts \mathbf{d} and \mathbf{e} . Suppose that the government wishes to achieve GDP of 2,400 but wishes to do so without increasing the budget deficit? It can do this by raising both government purchases G and taxes T by an equal amount. What is that amount?
 - 2h. Suppose that, instead of net taxes T being a fixed amount, net taxes are proportional to income. Specifically, suppose that T = .2 Y. How would this affect the magnitude of the multiplier in the Keynesian cross model? Hint: recall that the multiplier is 1/(1-slope PE).
 - 2i. Suppose that, instead of I = 300 25 r, investment spending depended on both the real interest rate r and total real spending Y. Specifically, suppose that I = 100 25 r + 0.1 Y. How would this affect the magnitude of the multiplier in the Keynesian cross model?
- 5. Consider the so called "great recession" of 2007-09 in the U.S. Suppose for simplicity that the primary cause of this recession was a fall in autonomous investment spending caused by the bursting of the housing bubble. Now suppose that there had been a balanced budget law in place at the time. Is it likely that this law would have had a stabilizing or destabilizing effect on the economy during the recession?

Chapter 12:

6. Problems and Applications number 1 (p. 359).