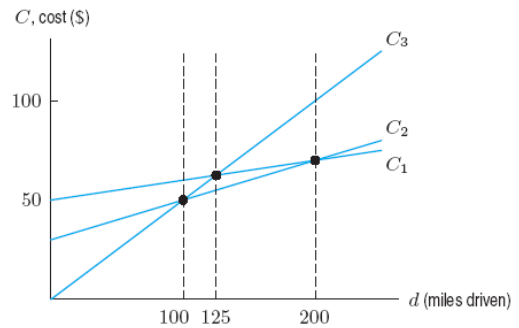


Bring this completed sheet with you to class on the due date to be handed in at the very beginning of the period.

Questions 1-4 pertain to Example 3 of Section 1.5

1. Evaluate  $C_1(200)$ .  $C_1(200) =$  \_\_\_\_\_
2. Evaluate  $C_2(200)$ .  $C_2(200) =$  \_\_\_\_\_
3. In Figure 1.33 on page 38, (shown to the right) which intersection point does not influence our decision as to which agency is the cheapest? ( \_\_\_\_\_, \_\_\_\_\_ )
4. Produce the graphs of the three lines on your calculator and find an appropriate viewing window which shows all three intersection points similar to the figure.



What is one viewing window that would be appropriate?

\_\_\_\_\_ <  $x$  < \_\_\_\_\_  
 \_\_\_\_\_ <  $y$  < \_\_\_\_\_

More than one answer is correct.

5. Which is the equation of a vertical line? (SELECT ONE)

- a)  $x = 2$
- b)  $2x = y$
- c)  $y = 2$
- d) A vertical line has no equation

6. If two parallel lines have slopes  $m_1$  and  $m_2$ , what must be true about  $m_1$  and  $m_2$ ?

7. If two perpendicular lines have slopes  $m_1$  and  $m_2$ , what must be true about  $m_1$  and  $m_2$ ?