

Reading Questions for Section 1.5

(7 pts)

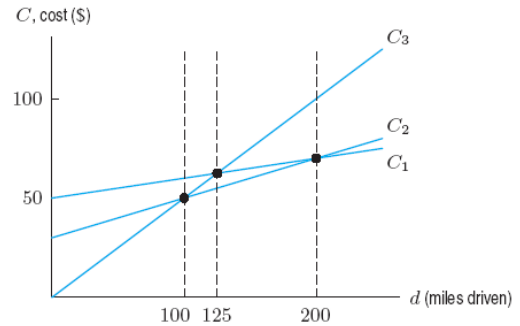
Name _____

Due Date: _____

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) 1. Evaluate $C_1(200)$. $C_1(200) =$ _____
- (1) 2. Evaluate $C_2(200)$. $C_2(200) =$ _____
- (2) 3. In **Figure 1.33** (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.

- (1) 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

- (1) 6. If two parallel lines have slopes m_1 and m_2 , what must be true about m_1 and m_2 ?
 - A. $m_1 = m_2$
 - B. $m_1 = -m_2$
 - C. $m_1 = 1/m_2$
 - D. $m_1 = -1/m_2$

- (1) 7. If two perpendicular lines have slopes m_1 and m_2 , what must be true about m_1 and m_2 ?
 - A. $m_1 = m_2$
 - B. $m_1 = -m_2$
 - C. $m_1 = 1/m_2$
 - D. $m_1 = -1/m_2$