Answers without work to check. If you cannot find your mistake then please seek help EARLY! This assignment is worth 4 pts. 1) did you complete it 2) did you show all the work 3) did you correct in pen 4) did you get 75% of the problems correct?

MCR pg. 194 answers with no work. Check the ones you were supposed to do for your assignment. Ask questions on any in class that you cannot figure out your mistake. Remember odd answers are always in the back of your textbook.

1. $y = 5x - 2$

2. $y = -\frac{1}{3}x + 5$

3. $y = -2x$

4. $y - 5 = -2(x + 2)$ or $y + 1 = -2(x - 1)$

5. $y + 2 = \frac{1}{5}(x + 3)$ or $y + 1 = \frac{1}{5}(x - 2)$

6. $y = \frac{4}{3}(x - 1)$ or $y - 4 = \frac{4}{3}(x - 4)$

7. $f(x) = -x + 2$

8. $f(x) = -6$

9. $f(x) = 5x + 13$

10. None are parallel; Lines a and b are perpendicular; None of the lines have the same slope and the slope of line a is the negative reciprocal of the slope of line b.

11. Lines b and c are parallel; None are perpendicular; Lines b and c have the same slope and none of the lines have negative reciprocal slopes.

12.   **a.** $y = 3x - 16$
       b. $y = -\frac{1}{3}x + 4$

13.   **a.** $y = -\frac{1}{2}x - 4$
       b. $y = 2x + 1$

14. a. $y = -4x - 16$

    b. $y = \frac{1}{4}x + 1$

15. a. $C = 44m + 48$

    b. $312

    c. the original company; You can keep the site running for 13 months at the original company. You can keep the site running for 10 months at the new company.

16. yes; The amount of water decreases at a constant rate;
$W = -\frac{5}{2}t + 175$