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?

5.2 pg. 245 answers without work. Check the ones you were supposed to do for your assignment. If you do not get the correct answer, try to find your mistake. If you cannot find your mistake, ask a friend or your teacher for help to better understand the concept for that problem.

Pg. 245

A: 2, 4, 8, 14, 16, 18, 20, 26, 28, 30, 38, 40

B: 1, 2, 4 – 20 (e), 28, 38, 40

C: 4 – 20 (e), 28

2. *Sample answer:* Look for the equation that has a variable wit[h] a coefficient of 1 or -1.

4. *Sample answer:* $2x + y = -10$; This equation can be solved for y easily.

6. *Sample answer:* $x + y = 8$; This equation can be solved for y easily.

8. *Sample answer:* $x - 2y = -6$; This equation can be solved for x easily.

10. $(1, -3)$

12. $(3, 22)$

14. $(8, -7)$

16. $(0, 2)$

18. In Step 3, 6 should be substituted for x, not for y; $3(6) + y = 9$, $18 + y = 9$, $y = -9$

20. $x + y = 15$ and $20x + 12.5y = 270$; 11 one-person tubes, 4 cooler tubes

22. *Sample answer:* $y - 2x = 12$ and $x - 2y = -18$

24. *Sample answer:* $2x + y = 5$ and $2x - y = 55$

26. 80 shares of Stock A, 120 shares of Stock B

28. **a.** $x + 2y - 18 = 180$

    b. $x = 86, y = 56$

30. yes; Both equations only have 1 variable and the variables are different.

32. **a.** $(4, 5)$

    b. yes; Write an equation of each line. Then solve this system of linear equations using substitution.

34. *Sample answer:* $x + y = 13$ and $25x + 10y = 265$, $x =$ number of quarters and $y =$ number of dimes

36. $3x - 11$

38. -23

40. $22m - 4$