

DIRECTIONS

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?

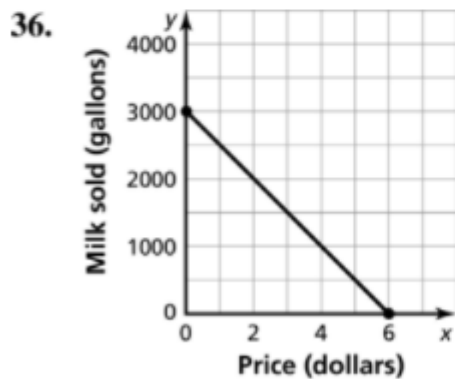
3.5 DAY TWO pg. 142 answers. Check the ones you were supposed to do for your assignment. Ask questions on any in class that you cannot figure out your mistake. Remember odd answers are always in the back of your textbook.

18. slope: 0; y-intercept: -1

20. slope: -1 ; y-intercept: -6

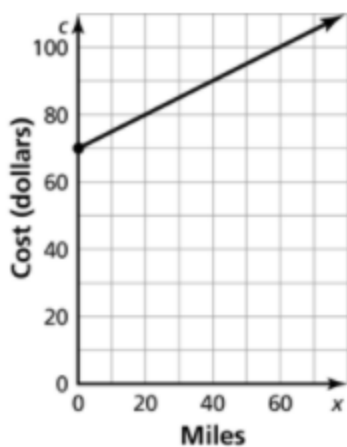
22. slope: 7 ; y-intercept: $\frac{1}{2}$

24. To be in slope-intercept form, the equation needs to be rewritten as $y = 3x + (-6)$; The slope is 3 and the y-intercept is -6 .



slope: -500 ; x-intercept: 6 ; So, no milk is sold when the price reaches $\$6$ per gallon; y-intercept: 3000 ; So, the maximum amount of milk sold is 3000 gallons.

38. a.

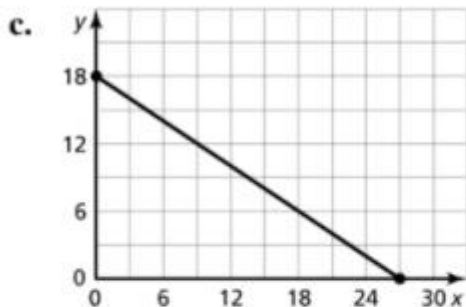


domain: $x \geq 0$; range: $c \geq 70$

- b. slope: 0.5; So, the mileage rate is \$0.50 per mile;
 c -intercept: 70; So, the basic rental fee is \$70.

-
46. no; The equation of a vertical line cannot be written in slope-intercept form because its slope is undefined and it either has no y -intercept or infinite y -intercepts.

28. a. 27; 18; The x -intercept indicates 27 two-point baskets were made if there were no three-point baskets. The y -intercept indicates 18 three-point baskets were made if there were no two-point baskets.
- b. no; If y is odd, then $3y$ will also be odd. Subtracting an odd number from 54 will also be odd, so dividing this result by 2 to find x will never give a whole number.



Sample answer: 24 two-point baskets and 2 three-point baskets; 9 two-point baskets and 12 three-point baskets

30. C

32. B

40. 2

34. a. The x -intercept indicates 90 students can go if none of them choose the meal plan. The y -intercept indicates 60 students can go if all of them choose the meal plan.
- b. domain: 0 to 90 students not choosing the meal plan;
range: 0 to 60 students choosing the meal plan

42. $\frac{5}{3}$