

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?

Pg. 125 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.

2. your height at 14 years old

4. -6; 0; 15

6. -5; -7; -12

8. 19; 18; 15.5

10. 5; 3; -2

- 12.**
- a.** 55% of U.S. households had Internet use in 2003.
 - b.** $k\%$ of U.S. households had Internet use in 1984.
 - c.** At least 61% of U.S. households had Internet use in 2007.
 - d.** The sum of the percents of U.S. households with Internet use in 1997 and 2001 is about the same as the percent of U.S. households with Internet use in 2009.

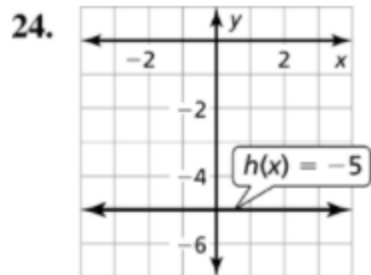
14. $x = 8$

16. $x = 5$

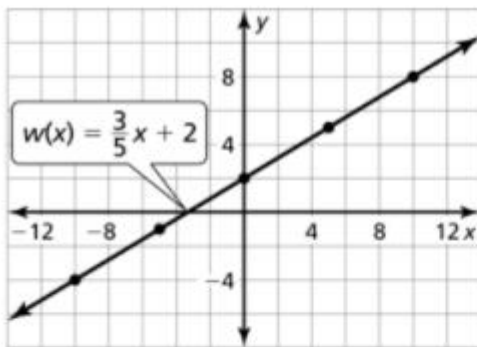
18. $x = 15$

20. $x = -3$

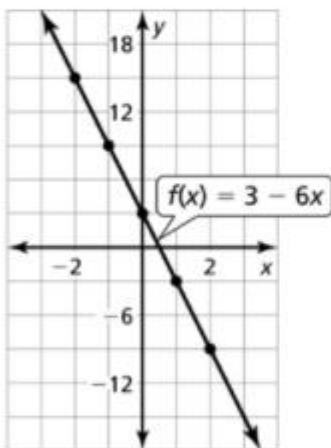
22. a. 4,500,000 km
b. 40 sec



26.



28.



30. Master Remodeling; Using the function, the cost for Certified Remodeling is \$250. The table shows an increase of \$30 for every increase of 2 hours, so the cost for Master Remodeling is \$220.

34. a. It decreases rapidly, then slowly increases.
b. *Sample answer:* 425; The school attendance was about 425 students 13 weeks after the flu outbreak.
c. *Sample answer:* 1, 10; The school attendance was about 400 students 1 week and 10 weeks after the flu outbreak.
d. *Sample answer:* about 350 students; about 4 weeks after the flu outbreak
e. *Sample answer:* about 460 students; The graph does not show any attendance values greater than 460.
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36. false; The function could include operations that would not give the same result. For example if $f(x) = x^2$,
 $f(3 + 4) \neq f(3) + f(4)$.
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38. $a < -7$ or $a > 15$;

