



3-19. Which of the expressions below are equivalent to $16x^8$? Make sure you find *all* the correct answers!

a. $(16x^4)^2$

b. $8x^2 \cdot 2x^6$

c. $(2x^2)^4$

d. $(4x^4)^2$

3-20. Rewrite each expression below without negative or zero exponents.

a. 4^{-1}

b. 7^0

c. 5^{-2}

d. x^{-2}

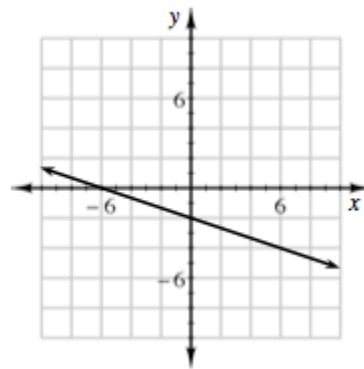
3-21. Simplify and solve each equation below for x . Record your work.

a. $3x - 7 = 2$

b. $1 + 2x - x = x - 5 + x$

3-22. For the line graphed to the right:

- a. Determine the slope.
- b. Find the equation of the line.



3-23. Write and solve an equation to represent the given situation. Be sure to define your variable.

Samantha currently has \$1500 in the bank and is spending \$35 per week. How many weeks will it take until her account is worth only \$915?