



3-6. Use what you have learned about exponents to rewrite each of the expressions below.

a. $\frac{h^9}{h^{11}}$

b. $x^3 \cdot x^4$

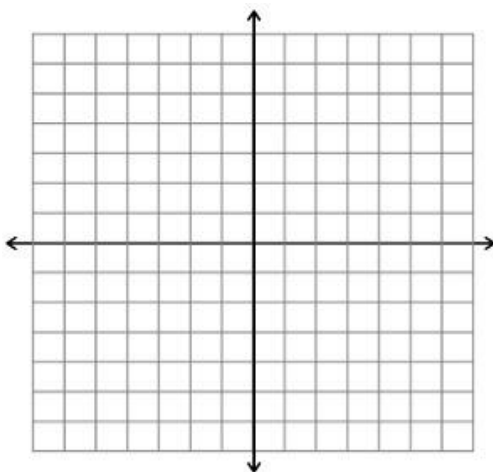
c. $(3k^5)^2$

d. $n^7 \cdot n$

e. $\frac{16x^4y^3}{2x^4}$

f. $4xy^3 \cdot 7x^2y^3$

3-8. Use what you know about slope and y-intercept to graph $y = -\frac{1}{2}x + 3$.



3-9. Write an expression to represent the given situation. Be sure to define your variable.

Sam currently has \$150 in a savings account and is saving \$10 per week.

3-10. Find $f(-3)$ for each function below.

a. $f(x) = -2x + 3$

b. $f(x) = -|1 - x|$

c. $f(x) = \sqrt[3]{9x} + 2$

d. $f(x) = \frac{1}{2}x + 2$