

## **Lesson 18 Practice Problems**

1. The value of x is  $\frac{-1}{4}$ . Order these expressions from least to greatest:

 $\chi$ 

1-x

x-1

 $-1 \div x$ 

2. Here are four expressions that have the value  $\frac{-1}{2}$ :

 $\frac{-1}{4} + \left(\frac{-1}{4}\right)$   $\frac{1}{2} - 1$   $-2 \cdot \frac{1}{4}$   $-1 \div 2$ 

Write five expressions: a sum, a difference, a product, a quotient, and one that involves at least two operations that have the value  $\frac{-3}{4}$ .

3. Find the value of each expression.

a. 
$$-22 + 5$$

b. 
$$-22 - (-5)$$

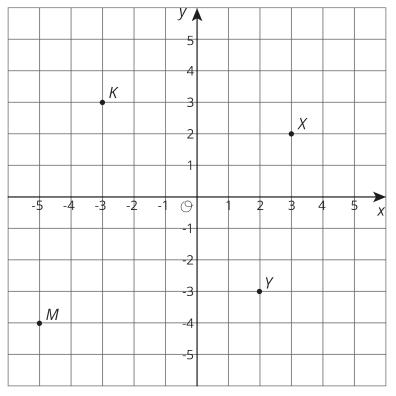
d. 
$$-22 \div 5$$

4. The price of an ice cream cone is \$3.25, but it costs \$3.51 with tax. What is the sales tax rate?

(From Unit 6, Lesson 7.)



5. Here are 4 points on a coordinate plane.



- a. Label each point with its coordinates.
- b. Plot a point that is 3 units from point K. Label it P.
- c. Plot a point that is 2 units from point M. Label it W.

(From Unit 7, Lesson 13.)

- 6. A furniture store pays a wholesale price for a mattress. Then, the store marks up the retail price to 150% of the wholesale price. Later, they put the mattress on sale for 50% off of the retail price. A customer just bought the mattress on sale and paid \$1,200.
  - a. What was the retail price of the mattress, before the discount?
  - b. What was the wholesale price, before the markup?

(From Unit 6, Lesson 8.)