## Lesson 18 Practice Problems

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

$$
1-x
$$

$$
x-1
$$

$$
-1 \div x
$$

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. $-22-(-5)$
c. $(-22)(-5)$
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.)

