

**CHAPTER 2** **Test**

$-42 \div (-7) = 6$      $-42 \div 6 = -7$

- Write two division sentences related to the multiplication sentence  $6 \times (-7) = -42$ .
- Graph  $\{4, -2, 1\}$  on a number line.



Replace each  $\bullet$  with  $<$  or  $>$  to make a true sentence.

3.  $-5 \bullet -8$   
 $>$

4.  $9 \bullet -2$   
 $>$

Graph each point on a coordinate plane and name the quadrant in which each point is located. *see next slide*

5.  $X(4, 3)$  **Q I**

6.  $M(-3, 2)$  **Q II**

7.  $A(0, -4)$  **y-axis between Q III and Q IV**

Find each sum, difference, product, or quotient.

8.  $-16 + 9$  **-7**

9.  $5 - (-2)$  **7**

10.  $-3 - 5$  **-8**

11.  $4(-6)$  **-24**

12.  $-14 + (-7)$  **-21**

13.  $-8(-7)$  **56**

14.  $\frac{-32}{8}$  **-4**

15.  $\frac{-25}{-5}$  **5**

16.  $-8 - 2$  **-10**

17.  $-7 + 5 + (-12)$  **-14**

18.  $8 + (-14) + (-6)$  **-12**

19.  $5(-2)(3)$  **-30**

Evaluate each expression if  $m = 5$ ,  $n = -8$ , and  $p = -3$ .

20.  $n - p$  **-5**

21.  $m + n$  **-3**

22.  $2(n)$  **-16**

23.  $p - m + n$  **-16**

24.  $\frac{n}{-2}$  **4**

25.  $\frac{m+n}{p}$  **1**

Simplify each expression.

26.  $3x - 8x$  **-5x**

27.  $10y - (-3y)$  **13y**

28.  $9(-4x)$  **-36x**

29.  $-2(-5y)$  **10y**

30.  $(-7m)(3n)$  **-21mn**

31.  $3x + 4y + x - 2y$  **4x + 2y**

32. **Weather** The table shows record high and low temperatures for six cities for the month of November.

- Find the differences in temperatures for each city.
- Which city had the greatest difference in its record temperatures?

*Duluth, MN*

33. **Sports** The Tigers football team had a gain of 7 yards on their first run. They lost 3 yards on their second run and gained 12 yards on their third run. What was the total gain or loss of yardage in the three runs?

*16 yd gain*

Record Temperatures in November ( $^{\circ}$ F)		
City	High	Low
Atlanta, GA	84	3
Boston, MA	78	15
Columbus, OH	80	5
Duluth, MN	70	-23
Juneau, AK	56	-5
Kahului, HI	93	55

Exercise 32



