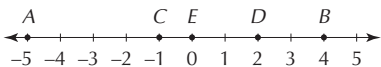


## FREE RESPONSE

For 12–14, use the number line below. Write the integer for each point. Then give its opposite and absolute value.



12.  $E$  0; 0; 0    13.  $B$  4; -4; 4    14.  $A$  -5; 5; 5

Use  $<$ ,  $>$ , or  $=$  to compare.

15.  $-7 < -4$     16.  $|-3| > -3$   
 17.  $3.5 > -4.3$     18.  $-5.85 < -5\frac{3}{5}$

Order from least to greatest.

19. 6, -10, 3,  $|4|$ , -1    **-10, -1, 3,  $|4|$ , 6**  
 20.  $-1\frac{3}{4}$ , -1.8, 1.65    **-1.8,  $-1\frac{3}{4}$ , 1.65**

Add or subtract.

21.  $-5 - (-4)$     **-1**  
 22.  $3 + (-18)$     **-15**  
 23.  $-11 + (-7)$     **-18**  
 24.  $-21 + 13$     **-8**

Multiply or divide.

25.  $-9 \times -4$     **36**  
 26.  $-56 \div 8$     **-7**  
 27.  $12 \times -9$     **-108**  
 28.  $-42 \div -6$     **7**

Solve each equation.

29.  $\frac{n}{-4} = 20$     30.  $p - (-14) = 7$   
 $n = -80$      $p = -7$   
 31.  $m + 6 = -1$     32.  $-3c = 51$   
 $m = -7$      $c = -17$

Graph and label the points on the same coordinate plane. **See margin.**

33.  $A(-1, 5)$     34.  $B(0, -2)$

Make a T-table. Then graph each equation. **See margin.**

35.  $y = 2 - x$     36.  $y = \frac{1}{2}x$

37. Each value of  $y$  is 2 less the  $x$ -value;  
 $y = x - 2$ .

37. Write a rule and an equation for the function below. **See above.**

$x$	1	-1	-3
$y$	-1	-3	-5

## Writing in Math

38. Write a word problem. Draw a picture to show the main idea and give the solution in a complete sentence. **Check students' drawings. Answers will vary.**
39. Explain how you can tell if the answer to an addition problem will be positive or negative. **See below.**
40. Jocelyn works at a store. For every T-shirt she sells, she earns \$3. How many T-shirts will she have to sell to earn at least \$50? Explain how you found your answer. **See below.**



### Think It Through

I can **look for key words** in the problem to help me **choose an operation**.

39. Look at the addend with the greatest absolute value. Its sign is the sign of the sum.

40. Sample answer: I wrote an equation and made a table.

$$m = 3t$$

$t$	15	16	17
$m$	45	48	51

17 T-shirts