

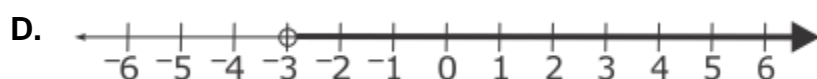
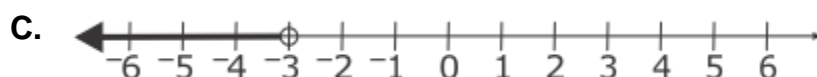
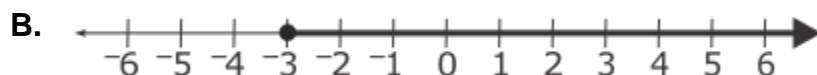
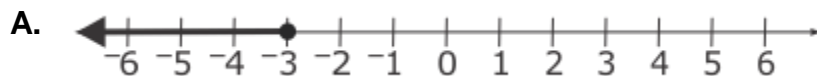
## Practice Quiz

1. What is the value of  $x$  when  $\frac{1}{2}x = 10\frac{1}{2}$ ?
2. What is the value of  $x$  if:  
 $2.1 + x = 10.05$
3. What is the solution to the equation below?  
 $31 + 9 = x(5 + 3)$
4. Andy runs the same number of miles,  $x$ , every day. His total distance run for one week is less than 40 miles. Which inequality represents how many miles Andy runs each day?
  - A.  $7 + x > 40$
  - B.  $7 + x < 40$
  - C.  $7x > 40$
  - D.  $7x < 40$
5. If  $y = 15$ , what is the value of  $z$  in the equation  $z + 2 = y$ ?
  - A. 9
  - B. 11
  - C. 13
  - D. 22
6. In which equation does  $x = 15$ ?
  - A.  $6 + x = 21$
  - B.  $5 + x = 18$
  - C.  $4 - x = 8$
  - D.  $4 - x = 16$
7. Lisa wants to buy a wallet for \$15.90, including tax. Which equation can be used to represent how much change,  $x$ , Lisa will receive if she pays with a \$20 bill?
  - A.  $x + 20 = 15.90$
  - B.  $x - 20 = 15.90$
  - C.  $x - 15.90 = 20$
  - D.  $x + 15.90 = 20$

## Practice Quiz

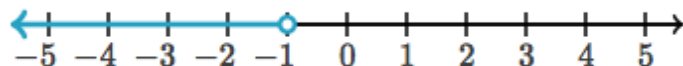
8. Tasha bought 9 blueberry pies. All the pies were the same price. She spent \$32.00. Write the equation that could be used to find the price of one pie,  $x$ ?

9. Which graph represents the solution set for  $x < -3$ ?



10. A class needs at least 100 sandwiches for a picnic. Write the inequality that represents the number of sandwiches,  $n$ , the class needs for the picnic?

11. Which inequality represents the graph below?



A.  $x > -1$

B.  $x < -1$

C.  $x \geq -1$

D.  $x \leq -1$

12. Which set of values would make the inequality  $0.35 + p > 1.76$  true?

A.  $\{1.15, 1.27, 1.45\}$

B.  $\{1.25, 1.31, 1.41\}$

C.  $\{1.41, 1.53, 1.65\}$

D.  $\{2.11, 2.25, 2.42\}$