LESSON 9-8 Practice A

Solving Integer Equations

Circle the letter of the correct answer.

1. Which operation should you use to solve the equation $5 + x = -2$?

   A addition

   B subtraction

   C multiplication

   D division

2. Which operation should you use to solve the equation $x \div (-6) = 3$?

   F addition

   G subtraction

   H multiplication

   J division

3. How do you solve the equation $x - 2 = -7$?

   A add 2 to both sides

   B subtract 2 from both sides

   C add 7 to both sides

   D subtract 7 from both sides

4. How do you solve the equation $4x = -20$?

   F add 4 to both sides

   G subtract 4 from both sides

   H multiply both sides by 4

   J divide both sides by 4

5. How do you solve the equation $x \div (-3) = 9$?

   A add −3 to both sides

   B subtract −3 from both sides

   C multiply both sides by −3

   D divide both sides by −3

6. How do you solve the equation $7 + x = -19$?

   F subtract 7 from both sides

   G add 7 to both sides

   H multipy both sides by 7

   J divide both sides by 7

Match each equation to its solution below.

   A. $x = -10$ **B.** $x = 3$ **C.** $x = 4$ **D.** $x = -3$ **E.** $x = 10$ **F.** $x = -4$

7. $-7 + x = -3$ _____

8. $x \div (-2) = -5$ _____

9. $-5 \cdot x = -15$ _____

10. $x - 15 = -25$ _____

11. $12 + x = 9$ _____

12. $x \cdot 6 = -24$ _____

13. How do you check the solution to an integer equation?

_____

_____

14. Why must you always do the same thing to *both* sides of an equation?

_____

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