

## LESSON

## 9-8

**Homework and Practice*****Solving Integer Equations***

Write what you should do to solve each equation.

1.  $x - 8 = -2$

---

---

2.  $x + 4 = -8$

---

---

3.  $-3x = 12$

---

---

4.  $5x = -20$

---

---

5.  $-14 + x = -1$

---

---

6.  $x \div 5 = -5$

---

---

Solve each equation.

7.  $-3x = -15$

---

8.  $x + (-4) = -2$

---

9.  $18 \div x = -6$

---

10.  $x - (-3) = 4$

---

11.  $-9 \div x = -3$

---

12.  $x \div 3 = -10$

---

13.  $13 + x = -3$

---

14.  $(-8) + x = 12$

---

15.  $-3x = 24$

---

16.  $x - (-3) = 8$

---

17.  $x \div -2 = 25$

---

18.  $x - (-12) = -15$

---

19.  $-7x = 14$

---

20.  $-6x = -36$

---

21.  $-6 + x = -7$

---

22. If you multiply a value,  $x$ , by  $-7$  and the product is 35, what sign is the value of  $x$ ? Explain.

---

---

23. You separate an amount into 8 equal groups of  $-3$ . Write and solve a division equation to model this situation.

---