Alg 1 2.3 Solve equations involving more than one operation Solve consecutive integer problems

Order of operations: what we DO Solving: what we UNDO

Square puzzle (if time)

$$\frac{2 \times +5 = 13}{-5 - 5}$$
 $\frac{2 \times -5}{2} \times = 4$

Solve each equation Check your solution.

11.
$$3t + 7 = -8$$

$$\frac{3t}{3} = -15$$

12.
$$8 = 16 + 8\pi$$
1 $-16 + 6$

$$-\frac{8}{8} = \frac{8n}{8}$$

13.
$$-34 = 6m - 4$$

$$-30 = 6m$$

4.
$$\frac{3}{2}a - 8 = 11$$

5.
$$8 = \frac{x-5}{7}$$

4.
$$\frac{3}{2}a - 8 = 11$$
 5. $8 = \frac{x - 5}{7}$ **6.** $\frac{c + 1}{-3} = -21$

7. NUMBER THEORY Twelve decreased by twice a number equals -34. Write an equation for this situation and then find the number.

$$\frac{1}{12} - 2n = -34$$
 $\frac{-12}{-12}$
 $\frac{-34}{-12}$
 $\frac{-34}{-12}$
 $\frac{-34}{-12}$
 $\frac{-34}{-12}$
 $\frac{-34}{-12}$
 $\frac{-34}{-12}$
 $\frac{-34}{-12}$

Write an equation and solve each problem.

- 24. Fourteen less than three fourths of a number is negative eight. Find the number.
- **25.** Seventeen is thirteen subtracted from six times a number. What is the number?

$$\frac{3}{4}n + 14 = -8$$

$$\frac{17 = 6n + 13}{13}$$

$$\frac{3}{4}n = 6$$

$$\frac{3}{4}n = 6$$

$$\frac{3}{4}n = 8$$

$$\frac{30 = 6n}{6} = 8$$

$$\frac{30 = 6n}{6} = 8$$

Square puzzle (if time)