SKILL 14: Practice

1-18 Show work on the back

solve each equation, tell what you will do first to both sides.

1.
$$2x + 7 = 13$$

2.
$$-3n - 8 = 7$$

3.
$$2x - 9 = 11$$

4.
$$-5x + 6 = 36$$

5.
$$10x + (-9) = 21$$

6.
$$4x - 13 = 3$$

7.
$$-5m + 12 = -9$$

8.
$$8k - 11 = 13$$

9.
$$-6n - (-2) = 8$$

To solve:

- Eliminat

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- Eliminate

Solve each equation. Check your solutions.

10.
$$3b + (-7) = -25$$

11.
$$\frac{n}{-4} + (-3) = 8$$

12.
$$16 = 4h - 12$$

13.
$$\frac{x}{6}$$
 - (-10) = 3

14.
$$8w - 17 = -89$$

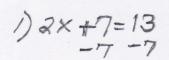
$$W = \underline{\hspace{1cm}}$$

15.
$$\frac{c}{7} - 12 = -4$$

16.
$$\frac{p}{-5}$$
 + 12 = 20

17.
$$5j + (-16) = -76$$

18.
$$\frac{k}{-3} + (-8) = -8$$



$$\frac{2x=6}{2}$$

$$x = 3$$

For each problem, write an equation. Then solve.

- 19. Linda had \$15 in her coin bank. On her birthday, 5 relatives sent her money as a birthday gift. Each relative sent the same amount. She then had \$115. How much money did Linda receive from each relative?
- 20. Gorillas and chimpanzees can learn sign language to communicate with humans. By 1982, a gorilla named Koko had learned 700 words. This is 50 fewer than 5 times as many words as a chimpanzee named Washoe knew 10 years earlier. How many words did Washoe know?



21. Solve:
$$4x - 8 = 32$$
.

22. Solve:
$$n + 15 = 22$$
.

$$G-7$$