

CHAPTER

1

At-Home Practice**Solving Equations****Determine which value of the variable is a solution of the equation.**

1. $c + 5 = 61$; $c = 46, 56, \text{ or } 66$

2. $d - 37 = 12$; $d = 39, 49, \text{ or } 59$

Solve.

3. $19 = w - 4$

4. $3x = 42$

5. $3n + 2 = 11$

6. $\frac{p}{7} = 9$

7. $8 = a - 7$

8. $16s = 48$

Simplify.

9. $8(5 + s) - 2s$

10. $2(4y - 2) + 7$

Solve.

11. $5w + 3w = 16$

12. $12x - 7x = 25$

Solve.

13. $-6 + x = 15$

14. $-3a = -33$

15. $\frac{a}{15} = -2$

16. $f - 8 = -23$

17. $g - 17 = 34$

18. $\frac{y}{4} = 22$

19. $6t = 72$

20. $f + 15 = 62$

Answers: 1. $c = 56$ 2. $d = 49$ 3. $w = 23$ 4. $x = 14$ 5. $n = 3$ 6. $p = 63$ 7. $a = 15$ 8. $s = 3$ 9. $40 + 6s$
 10. $8y + 3$ 11. $w = 2$ 12. $x = 5$ 13. $x = 21$ 14. $a < 11$ 15. $a = -30$ 16. $f = -15$ 17. $g = 51$ 18. $y = 88$
 19. $t = 12$ 20. $f = 77$

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Family Fun**Hidden Math Terms****Directions**

Find the hidden math terms from this section. The terms may be written backwards, forwards, or on a diagonal. For fun, make copies of the puzzle and give it to a friend or family member. Record how long it takes each person to find all of the terms.

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L I X I Z B U A T A Q N E A E T H A N G E E
K G X N Q U Z J S Q U H C Y Y X C L I S E L
I N V E R S E O P E R A T I O N S G V S B B
S U O Q P G L W H T E C R F I J B E R H U A
G F S U P V T T G T E T W Y B O K B D O A I
H V O A E C C N A B Q X V Z U X R R W Z F R
L V V L T Y O U A N M W L L J D B A N T J A
E Q U I V A L E N T E X P R E S S I O N S V
V J X T Y A D L F S S Z A H B A O C I V F E
C Q R Y V E I X U F E N W G R U P E T A I H
Q I S E Y P F B P I I D O L Q H E X A R Y T
O L F O N D S G N P Z C Q C W H W P U I C E
K M I V L T W S I M P L I F Y D M R Q A M T
D A Z R I U V Q S M R E T E K I L E E B N A
C G F T K Y T S G F C W C Z N F M S U L P L
M I U H H E L I U K V N N R I T S S H E H O
P T N B S G Y A O L T B J W I O C I A C Y S
E H U C L K V A R N X V V I F O V O Y V R I
Y I Q L F Y S V P N B U X C V Z E N H S J B
Y T I L A U Q E N I C I A R B E G L A N N P

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