Name _____ Date _____ Class _____

Skills Readiness
Solve One-Step Equations

To solve a one-step equation, do the inverse of whatever operation is being done to the variable. Remember, because it is an equation, what is done to one side of the equation must also be done to the other side.

Solve an addition equation using subtraction.	Solve a subtraction equation using addition.
$x + 5 = 15$ $\underline{-5 \quad -5}$ $x \quad = 10$	$x - 8 = -3$ $\underline{+8 \quad +8}$ $x \quad = \quad 5$
Solve a multiplication equation using division.	**Solve a division equation using multiplication.**
$7x = 42$ $\dfrac{7x}{7} = \dfrac{42}{7}$ $x = 6$	$\dfrac{x}{12} = -3$ $12 \cdot \dfrac{x}{12} = -3 \cdot 12$ $x = -36$

Practice on Your Own
Solve.

1. $m - 5 = 9$

2. $\dfrac{h}{6} = -3$

3. $6x = 54$

4. $b + 15 = 25$

_____ _____ _____ _____

5. $4y = -12$

6. $k + 9 = -3$

7. $p - 7 = -2$

8. $\dfrac{t}{3} = 7$

_____ _____ _____ _____

9. $\dfrac{x}{4} = -1$

10. $5 + h = 16$

11. $-12x = -24$

12. $r - 2 = -9$

_____ _____ _____ _____

Check
Solve.

13. $3x = 15$

14. $c - 11 = 1$

15. $d + 9 = 5$

16. $\dfrac{s}{6} = -5$

_____ _____ _____ _____

17. $z - 2 = -17$

18. $\dfrac{w}{4} = 12$

19. $-10b = 120$

20. $x + 99 = 100$

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Holt McDougal Algebra 1