NAME _____ **DATE** _____

Module 3   Solving Linear Equations
of One Variable
Lesson 3   Solving One-Step Linear Equations

*independent
practice*

Solve and check.

1. $r + 47 = 973$ _____

2. $T + 68 = 732$ _____

3. $M - 18 = 74$ _____

4. $w - 35 = 78$ _____

5. $-12 + p = -57$ _____

6. $-17 + C = -92$ _____

7. $-15v = -270$ _____

8. $-32h = 288$ _____

9. $\frac{f}{5} = -17$ _____

10. $\frac{G}{-9} = 14$ _____

11. $-5.3d = -14.31$ _____

12. $6.01N = -1.202$ _____

13. $G \div 17 = -884$ _____

14. $a \div -19 = 399$ _____

15. $m + \frac{2}{3} = \frac{2}{5}$ _____

16. $W - \frac{4}{5} = \frac{3}{4}$ _____

17. $\frac{1}{2}w = -12$ _____

18. $-\frac{1}{4}q = \frac{7}{8}$ _____

19. $3.99y = 15$ _____
(Round answer to hundredths)

20. $\frac{e}{1.73} = -9.65$ _____
(Round answer to tenths)

Journal

1. Explain, in words, how you would solve the equation, $7m = 42$. Which property would you use?

2. How many solutions are there for the equation $\frac{r}{4} = 12$? How do you know?

3. How can you show that 3.2 is the solution of $y + 1.4 = 4.6$?

4. Explain how you can show that multiplication undoes division.

5. Explain how you can show that subtraction undoes addition.

Cumulative Review

Solve the following equations.

1. $m + 7 = 21$ _____

2. $7n = 91$ _____

3. $\frac{4d}{3} = \frac{8}{7}$ _____

4. $C - 18 = 32$ _____

5. $\frac{8}{y} = 1$ _____

6. $A + 25 = 56$ _____

List the property of equality needed to find the value of the variable, do not solve.

7. $9W = 54$ _____

8. $u - 45 = 9$ _____

9. $\frac{p}{32} = 5$ _____

10. $\frac{5}{2}Q = 8$ _____

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