

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**Module 13** Solving Quadratic Equations  
of One Variable

**Lesson 2** Solving Quadratic Equations  
by Evaluating Square Roots



**additional  
practice**

**Solve by evaluating square roots.**

1.  $x^2 = 4$

\_\_\_\_\_

2.  $x^2 = 64$

\_\_\_\_\_

3.  $x^2 = 25$

\_\_\_\_\_

4.  $x^2 = 256$

\_\_\_\_\_

5.  $-3x^2 = 48$

\_\_\_\_\_

6.  $5x^2 = 20$

\_\_\_\_\_

7.  $2x^2 = 162$

\_\_\_\_\_

8.  $-4x^2 = -144$

\_\_\_\_\_

9.  $3x^2 = 63$

\_\_\_\_\_

10.  $4x^2 = 148$

\_\_\_\_\_

11.  $4x^2 + 3 = 7$

\_\_\_\_\_

12.  $3x^2 - 4 = 188$

\_\_\_\_\_

13.  $2x^2 - 6 = -38$

\_\_\_\_\_

14.  $2x^2 + 3 = 165$

\_\_\_\_\_

15.  $(x + 2)^2 = 25$

\_\_\_\_\_

16.  $(x - 1)^2 = 1$

\_\_\_\_\_

17.  $(x + 5)^2 = 100$

\_\_\_\_\_

18.  $(x - 6)^2 = 289$

\_\_\_\_\_

19.  $4(x - 5)^2 + 3 = 19$

\_\_\_\_\_

20.  $-2(x + 4)^2 + 1 = 51$

\_\_\_\_\_

21.  $-3(x - 7)^2 - 6 = -144$

\_\_\_\_\_

22.  $4(x - 5)^2 - 8 = 28$

\_\_\_\_\_

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23.  $-2(x + 1)^2 - 5 = -103$

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25.  $4(x + 1)^2 - 3 = 253$

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27.  $2(x - 3)^2 - 6 = 44$

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24.  $-6(x + 3)^2 + 7 = -47$

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26.  $-1(x + 3)^2 - 4 = -53$

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28.  $-2(x - 4)^2 + 7 = -331$

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