

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Solve Quadratics by Taking the Square Root

Find the value of the variable. Round to the nearest hundredth if necessary.

1)  $6z^2 - 7 = 113$

6)  $3n^2 - 4 = 104$

2)  $2g^2 + 2 = 58$

7)  $8w^2 + 9 = 89$

3)  $3h^2 - 2 = 82$

8)  $7h^2 - 7 = 28$

4)  $5s^2 + 6 = 411$

9)  $2b^2 - 10 = 14$

5)  $3p^2 + 6 = 81$

10)  $6n^2 + 3 = 21$



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## Solve Quadratics by Taking the Square Root

Find the value of the variable. Round to the nearest hundredth if necessary.

1)  $6z^2 - 7 = 113$

{4.47,-4.47}

6)  $3n^2 - 4 = 104$

{6,-6}

2)  $2g^2 + 2 = 58$

{5.29,-5.29}

7)  $8w^2 + 9 = 89$

{3.16,-3.16}

3)  $3h^2 - 2 = 82$

{5.29,-5.29}

8)  $7h^2 - 7 = 28$

{2.24,-2.24}

4)  $5s^2 + 6 = 411$

{9,-9}

9)  $2b^2 - 10 = 14$

{3.46,-3.46}

5)  $3p^2 + 6 = 81$

{5,-5}

10)  $6n^2 + 3 = 21$

{1.73,-1.73}

