

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

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

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

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

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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)  $h^2 + 4 = 8$

6)  $y^2 + 4 = 11$

2)  $w^2 - 2 = 2$

7)  $r^2 - 8 = 17$

3)  $w^2 + 4 = 10$

8)  $r^2 + 4 = 44$

4)  $n^2 - 4 = 6$

9)  $r^2 - 10 = -2$

5)  $h^2 - 8 = -2$

10)  $s^2 + 10 = 13$



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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)  $h^2 + 4 = 8$   
{2,-2}

6)  $y^2 + 4 = 11$   
{2.65,-2.65}

2)  $w^2 - 2 = 2$   
{2,-2}

7)  $r^2 - 8 = 17$   
{5,-5}

3)  $w^2 + 4 = 10$   
{2.45,-2.45}

8)  $r^2 + 4 = 44$   
{6.32,-6.32}

4)  $n^2 - 4 = 6$   
{3.16,-3.16}

9)  $r^2 - 10 = -2$   
{2.83,-2.83}

5)  $h^2 - 8 = -2$   
{2.45,-2.45}

10)  $s^2 + 10 = 13$   
{1.73,-1.73}

