

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) $k^2 = 5$

6) $3b^2 + 3 = -12$

2) $w^2 - 7 = -3$

7) $d^2 + 9 = 6$

3) $y^2 = 5$

8) $q^2 = 30$

4) $6x^2 - 4 = 20$

9) $4n^2 + 8 = 64$

5) $d^2 = -14$

10) $y^2 + 10 = 18$



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

1) $k^2 = 5$

{2.24,-2.24}

6) $3b^2 + 3 = -12$

No Solution

2) $w^2 - 7 = -3$

{2,-2}

7) $d^2 + 9 = 6$

No Solution

3) $y^2 = 5$

{2.24,-2.24}

8) $q^2 = 30$

{5.48,-5.48}

4) $6x^2 - 4 = 20$

{2,-2}

9) $4n^2 + 8 = 64$

{3.74,-3.74}

5) $d^2 = -14$

No Solution

10) $y^2 + 10 = 18$

{2.83,-2.83}

