

Name : _____ Score : _____

Teacher : _____ Date : _____

Solving Radical Equations

Solve the Radical Equations. Multiple Solutions may exist.

1) $4\sqrt{5b} = 20$

6) $\sqrt{5k - 2} = \sqrt{3k - 5}$

2) $\sqrt{c} = 5$

7) $\sqrt{n} = 3$

3) $-3 + \sqrt{d - 1} = 4$

8) $-4 + \sqrt{p - 14} = 7$

4) $\sqrt{4g + 3} = \sqrt{3g - 5}$

9) $\sqrt{2q} = 2$

5) $\frac{\sqrt{h}}{\sqrt{8}} = 3$

10) $\sqrt{24 - 2r} = r$

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Solving Radical Equations

Solve the Radical Equations. Multiple Solutions may exist.

1) $4\sqrt{5b} = 20$

$$b = 5$$

6) $\sqrt{5k - 2} = \sqrt{3k - 5}$

$$k = \frac{-3}{2}$$

2) $\sqrt{c} = 5$

$$c = 25$$

7) $\sqrt{n} = 3$

$$n = 9$$

3) $-3 + \sqrt{d - 1} = 4$

$$d = 50$$

8) $-4 + \sqrt{p - 14} = 7$

$$p = 135$$

4) $\sqrt{4g + 3} = \sqrt{3g - 5}$

$$g = -8$$

9) $\sqrt{2q} = 2$

$$q = 2$$

5) $\frac{\sqrt{h}}{\sqrt{8}} = 3$

$$h = 72$$

10) $\sqrt{24 - 2r} = r$

$$r = \{4, -6\}$$