Name : _____ Score : _____

Teacher : _____ Date : _____

Solving Radical Equations

Solve the Radical Equations. Multiple Solutions may exist.

1) $\sqrt{2b} = 4$

2) $\sqrt{4c + 6} = \sqrt{2c + 10}$

3) $\frac{\sqrt{d}}{\sqrt{6}} = \sqrt{6d - 1}$

4) $\sqrt{g} = 4$

5) $6\sqrt{3h} = 84$

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

7) $\sqrt{8 - 2n} = n$

8) $\frac{\sqrt{p}}{\sqrt{15}} = 3$

9) $\sqrt{q} = 3$

10) $3\sqrt{5r} = 42$

Name : _____ Score : _____

Teacher : _____ Date : _____

Solving Radical Equations

Solve the Radical Equations. Multiple Solutions may exist.

1) $\sqrt{2b} = 4$

$b = 8$

2) $\sqrt{4c + 6} = \sqrt{2c + 10}$

$c = 2$

3) $\frac{\sqrt{d}}{\sqrt{6}} = \sqrt{6d - 1}$

$d = \frac{6}{35}$

4) $\sqrt{g} = 4$

$g = 16$

5) $6\sqrt{3h} = 84$

$h = \frac{196}{3}$

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

$k = 10$

7) $\sqrt{8 - 2n} = n$

$n = \{2, -4\}$

8) $\frac{\sqrt{p}}{\sqrt{15}} = 3$

$p = 135$

9) $\sqrt{q} = 3$

$q = 9$

10) $3\sqrt{5r} = 42$

$r = \frac{196}{5}$