

Math 154B
Solving Radical Equations Worksheet

Name _____

1. Solve for x .
 $15 = 9 + \sqrt{x}$

2. Solve for y .
 $\sqrt{y-8} + 5 = 7$

3. Solve for z .
 $\sqrt{3z+4} = 5$

4. Solve for w .
 $\sqrt{5w+3} = \sqrt{4w+5}$

5. Solve for p .
 $\sqrt{p+16} + 4 = p$

6. Solve for m .
 $\sqrt{m-1} + 5 = m - 2$

7. Solve for n .
 $\sqrt{3n+10} = n + 4$

8. Solve for r .
 $\sqrt{10-13r} = r - 4$

9. Solve for k .
 $\sqrt{k-9} - \sqrt{k} = -1$

10. Solve for h .
 $\sqrt{2h-5} = 1 - \sqrt{h-3}$

Answers:

1. $x = 36$

2. $y = 12$

3. $z = 7$

4. $w = 2$

5. $p = 9$

6. $m = 10$

7. $n = -2$ or $n = -3$

8. No solution

9. $k = 25$

10. $h = 3$