

## Unit 8 Lesson 1 HW (ODDS)

## Unit 8 Lesson 2 HW (EVENS)

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

Solve each radical equation. Show all work! Be sure to check your answers for extraneous solutions (on paper &amp; DESMOS)

1.  $2 = \sqrt{4m}$

2.  $\sqrt{\frac{v}{8}} = 9$

3.  $3 = \sqrt{r+1}$

4.  $\sqrt{n^2} = 9$

5.  $-3 = \sqrt{x+4} - 7$

6.  $\sqrt{x} + 7 = 0$

7.  $10 = \sqrt{x-1}$

8.  $10 + \sqrt{\frac{n}{3}} = 16$

9.  $\sqrt{10a+4} = 8$

10.  $7 = \sqrt{2-b} + 5$

11.  $\sqrt{n} = \sqrt{2n-5}$

12.  $\sqrt{18-3n} = \sqrt{n^2}$

13.  $\sqrt{22-2k} = \sqrt{\frac{k}{5}}$

14.  $v = \sqrt{4v+5}$

15.  $2x = \sqrt{24x-20}$

16.  $\sqrt{3r+8} - \sqrt{9r+8} = 0$

17.  $8n = 7n + \sqrt{12-n}$

18.  $\frac{b}{2} = \sqrt{\frac{5b-6}{4}}$

Use DESMOS to solve (work is not necessary).

19.  $v + 10 = \sqrt{10-v}$

20.  $b + 3 = \sqrt{6b+25}$