

Name: _____

Date: _____

Solving Radical Equations**Solve each equation. Remember to check for extraneous solutions.**

1) $\sqrt{m + 8} = \sqrt{3m + 8}$

2) $\sqrt{3x + 12} = \sqrt{x + 8}$

3) $\sqrt{k + 3} = \sqrt{1 - k}$

4) $\sqrt{3r} = \sqrt{3r - 1}$

5) $\sqrt{r} = 4$

6) $\sqrt{m + 8} = 8$

7) $1 = \sqrt{x - 5}$

8) $\sqrt{11 - x} = \sqrt{x - 7}$

9) $20 = 2\sqrt{36v}$

10) $-12 = -6\sqrt{r + 4}$



1) $\sqrt{m + 8} = \sqrt{3m + 8}$

{0}

2) $\sqrt{3x + 12} = \sqrt{x + 8}$

{-2}

3) $\sqrt{k + 3} = \sqrt{1 - k}$

{-1}

4) $\sqrt{3r} = \sqrt{3r - 1}$

{1}

5) $\sqrt{r} = 4$

{16}

6) $\sqrt{m + 8} = 8$

{56}

7) $1 = \sqrt{x - 5}$

{6}

8) $\sqrt{11 - x} = \sqrt{x - 7}$

{9}

9) $20 = 2\sqrt{36v}$

{ $\frac{5}{3}$ }

10) $-12 = -6\sqrt{r + 4}$

{0}