

## Radical Equation Leftovers

Complete each set of problems. Within each set are problems and answers however one problem will not have an answer given. Match the problem and answers then solve the remaining problem. Turn in your work and solutions for the “Leftover” problem.

<p>Set 1</p> <p>Leftover _____</p>	<p>Set 2</p> <p>Leftover _____</p>
<p>Set 3</p> <p>Leftover _____</p>	<p>Set 4</p> <p>Leftover _____</p>

Set 1: Solve each equation:

$$\sqrt{v+3}-1=7 \qquad \sqrt{3n}=\sqrt{4n-1}$$

$$\sqrt{72-x}=\sqrt{\frac{x}{5}} \qquad -8+\sqrt{5a-5}=-3$$

Answers

1          6          60

Set 2:

$$\sqrt{-45+14n}=n \qquad \sqrt{-16+10a}=a$$

$$x=\sqrt{110-x} \qquad b-6=\sqrt{18-3b}$$

Answers

5          6          9          10

Set 3: Solve each equation.

$$\sqrt{-10+7p}=p \qquad (20-r)^{\frac{1}{2}}=r$$

$$(-3-4x)^{\frac{1}{2}}-(-2-2x)^{\frac{1}{2}}=1$$

$$x=5+(3x-11)^{\frac{1}{2}}$$

Answers

-3   -1   2   5   9

Set 4: Solve each equation.

$$m^{\frac{3}{4}}=27 \qquad (n-27)^{\frac{3}{2}}=64$$

$$26=-1+(27x)^{\frac{3}{4}} \qquad 3646=1+5(4r+17)^{\frac{3}{2}}$$

Answers

16          43   81