



Lesson Objectives (p. 628):

Vocabulary

1. Radical equation (p. 628): _____

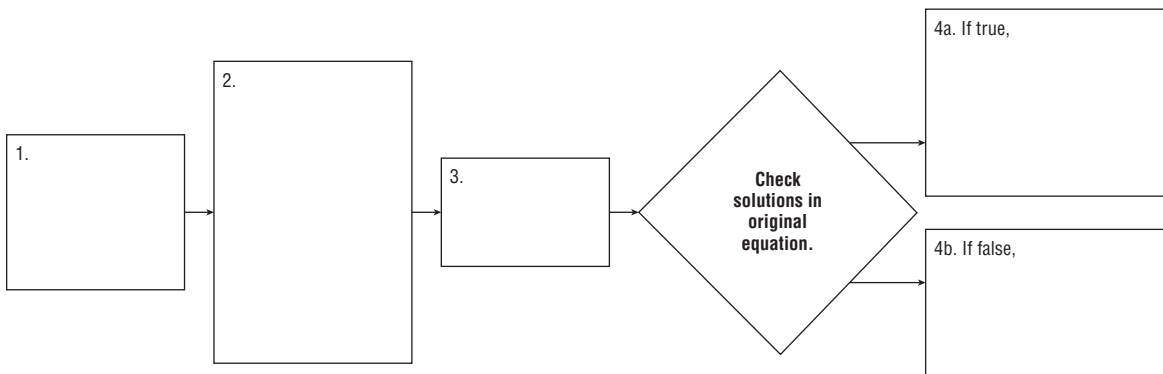
2. Radical Inequality (p. 630): _____

Key Concepts

3. Solving Radical Equations (p. 611):

STEPS	EXAMPLE
1.	
2.	
3.	

4. Get Organized In each box, write a step needed to solve a radical equation with extraneous solutions. (p. 632).





Lesson Objectives (p. 628):

solve radical equations and inequalities.

Vocabulary

1. Radical equation (p. 628): an equation containing a variable within a radical.

2. Radical Inequality (p. 630): an inequality that contains a variable within a radical.

Key Concepts

3. Solving Radical Equations (p. 611):

STEPS	EXAMPLE
1. Isolate the radical.	$\sqrt[3]{x} - 2 = 0$ $\sqrt[3]{x} = 2$
2. Raise both sides of the equation to the power equal to the index of the radical.	$(\sqrt[3]{x})^3 = (2)^3$
3. Simplify and solve.	$x = 8$

4. **Get Organized** In each box, write a step needed to solve a radical equation with extraneous solutions. (p. 632).

