

# Resource Page: Radicals

## Lesson 1: Mixed and Entire Radicals

Absolute Value Workbook: Radicals: Lesson 1 -- Pages 271 - 282

### Video Links:

- [http://www.youtube.com/watch?feature=player\\_embedded&v=ROIfbUQrSY4](http://www.youtube.com/watch?feature=player_embedded&v=ROIfbUQrSY4)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=EFVrAk61xjE](http://www.youtube.com/watch?feature=player_embedded&v=EFVrAk61xjE)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=BpBh8gvMifs](http://www.youtube.com/watch?feature=player_embedded&v=BpBh8gvMifs)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=uggD8mwglyc](http://www.youtube.com/watch?feature=player_embedded&v=uggD8mwglyc)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=DKh16Th8x6o](http://www.youtube.com/watch?feature=player_embedded&v=DKh16Th8x6o)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=c-wtvEdEoVs](http://www.youtube.com/watch?feature=player_embedded&v=c-wtvEdEoVs)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=6QJtWfliyZo#%21](http://www.youtube.com/watch?feature=player_embedded&v=6QJtWfliyZo#%21)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=drholgAhIQM](http://www.youtube.com/watch?feature=player_embedded&v=drholgAhIQM)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=F5iMsjwFLX8](http://www.youtube.com/watch?feature=player_embedded&v=F5iMsjwFLX8)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=s9i2aVKyxTY](http://www.youtube.com/watch?feature=player_embedded&v=s9i2aVKyxTY)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=iX7ivCww2ws](http://www.youtube.com/watch?feature=player_embedded&v=iX7ivCww2ws)

## Lesson 2: Adding and Subtracting

Absolute Value Workbook: Radicals: Lesson 2 -- Pages 283 - 288

### Video Links:

- [http://www.youtube.com/watch?feature=player\\_embedded&v=egNq4tSfi1l](http://www.youtube.com/watch?feature=player_embedded&v=egNq4tSfi1l)
- [http://www.youtube.com/watch?feature=player\\_embedded&v=qH4IQfDD1Nw](http://www.youtube.com/watch?feature=player_embedded&v=qH4IQfDD1Nw)

### Lesson 3: Multiplying and Dividing Radicals

Absolute Value Workbook: Radicals: Lesson 3 and 4 -- Pages 289 - 304

#### Lesson Links:

- [Zero Knowledge -- Two by Four -- Discovery Based activity to Multiplying Radicals](#)

#### Video Links:

- [http://youtu.be/i\\_2EVaioKQ0](http://youtu.be/i_2EVaioKQ0)
- <http://youtu.be/0ebU9WQybck>

### Lesson 4: Simplifying Algebraic Expressions

Absolute Value Workbook: Radicals: Throughout Lesson 2 - 4

#### Video Links:

- [http://youtu.be/YJiD7T\\_zjB0](http://youtu.be/YJiD7T_zjB0)

### Lesson 5: Exploring Radical Equations

Absolute Value Workbook: Radicals: Lesson 5 -- Pages 305 - 314

### Lesson 6: Solving Radical Equations

Absolute Value Workbook: Radicals: Lesson 5 -- Pages 305 - 314

#### Lesson Links:

- [Escape Velocity \(Johnny Wolfe--Santa Rosa District Schools\)](#)  
The ability to use and compute roots is often a necessary tool in physics. For example, square roots are used to compute the minimum velocity a spacecraft must have to escape the gravitational force of a planet.
- [Doing Battle with Radical Equations](#)  
Equations containing radicals with variables in the radicand are called radical equations. To solve such equations, first isolate the radical on one side of the equation and then square each side of the equation to eliminate the radical.

**Video Links:**

- [Solving Radical Equations part 1 of 2](#)
- [Solving Radical Equations part 2 of 2](#)