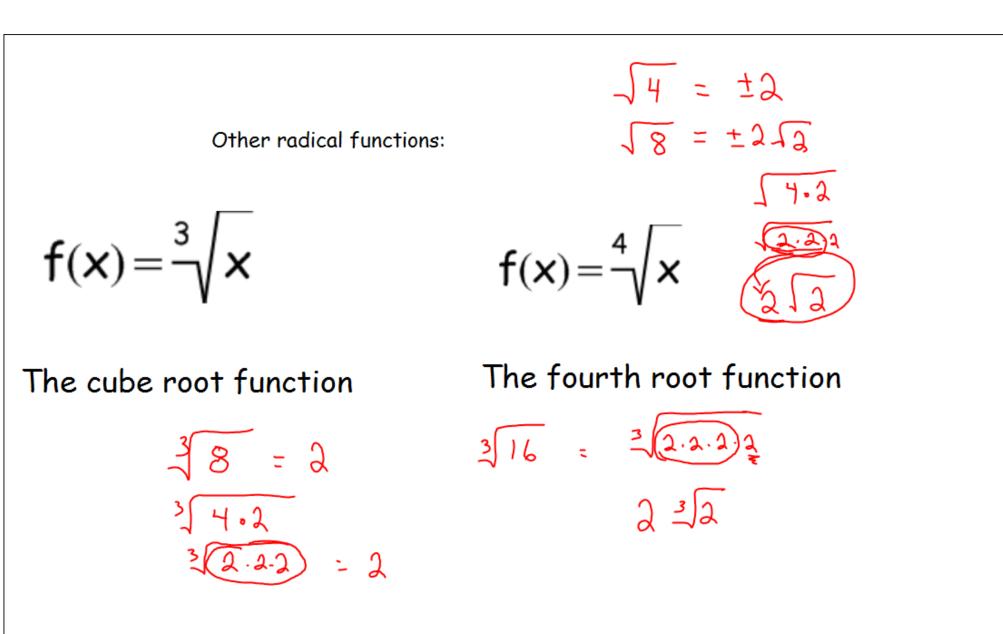
Radical Functions $f(x) = \sqrt{x}$

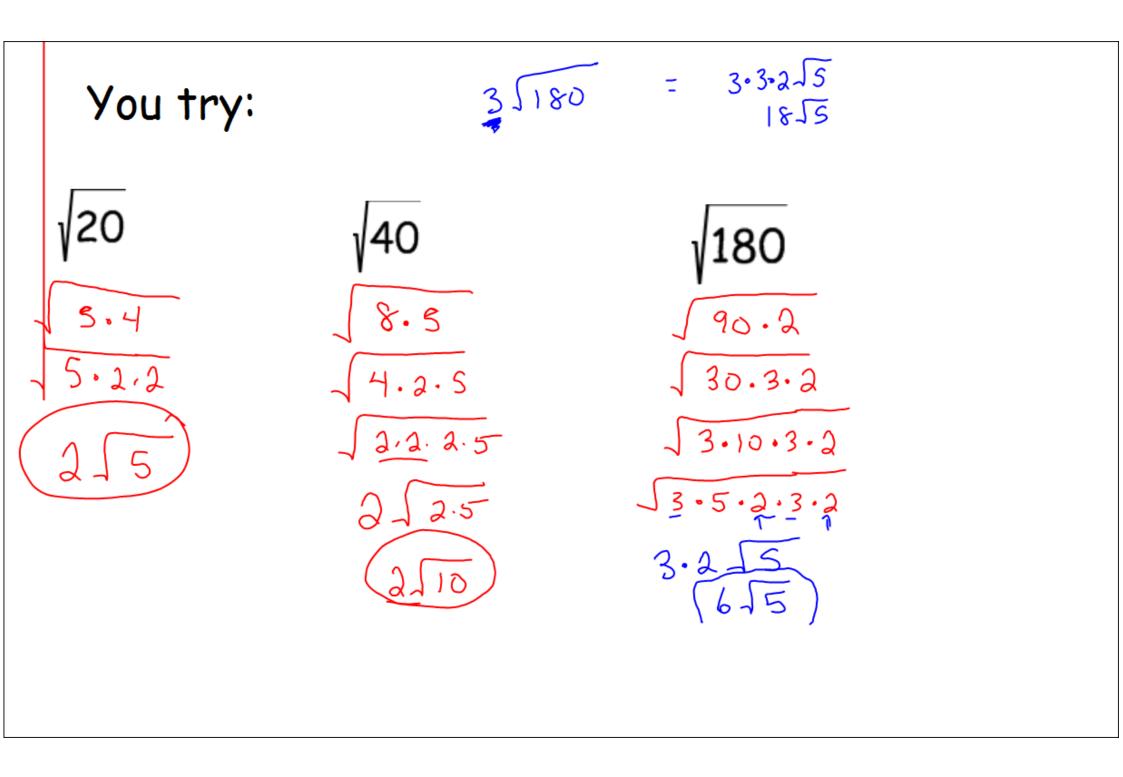
The square root function



This unit we will solve equations using roots and graph radical functions

Let's first remember how to work with radicals

Simplifying radicals $\sqrt{8} = 2\sqrt{2}$ $\sqrt{12} = 2\sqrt{3}$ 4.2 4.3 2

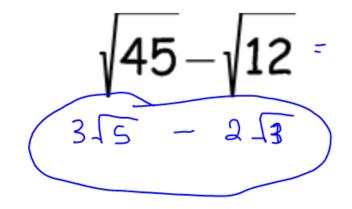


=7x

Adding and subtracting with radicals 50 5.10 $50 = 7\sqrt{2}$ 5.5.2 512 $(f_{2}) + 5(f_{2})$ 2(12)+ 2x + 5x

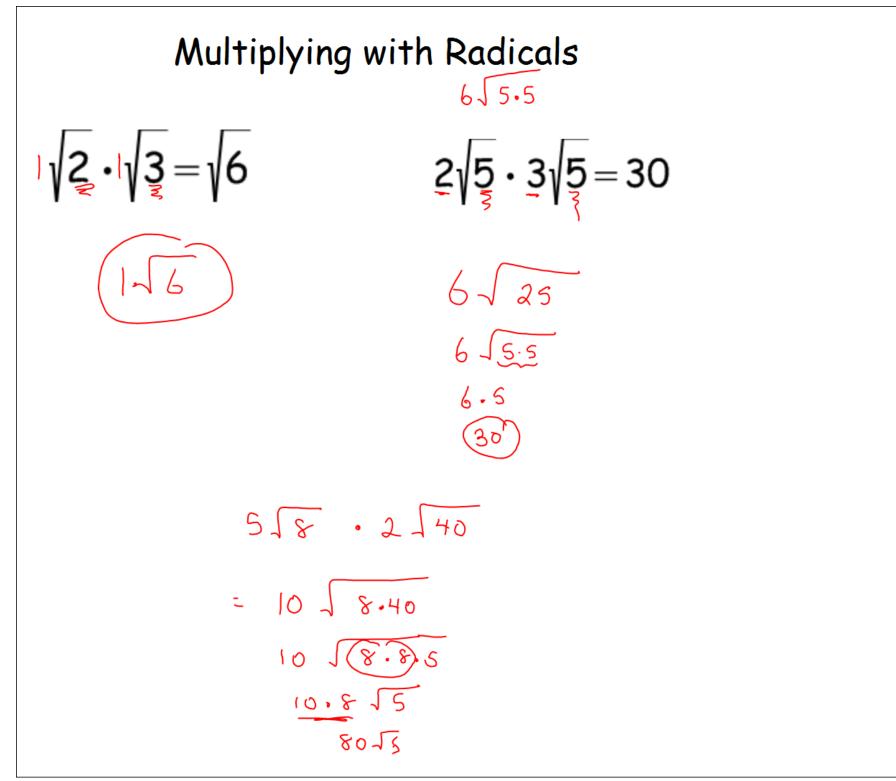
You try:

3 5



$$\sqrt{48} + \sqrt{12} =$$

= 4-3 + 2-3
= 6-3



You try: 3√5 • 4√10 24 8 .8 2 1215.10 3.2.4 12 1 5.5.2 3.2.2.2 12.5.2 2

Homework:

Practice operations with Radicals