

Adding and Subtracting Radicals Video Lecture

Section 10.4

Course Learning Objective:

Demonstrate appropriate manipulation of radicals.

Weekly Learning Objectives:

Add and subtract radical expressions.

Adding and Subtracting Radicals

In order to add or subtract radical expressions, the expressions must contain identical indices and identical radicands.

$$16\sqrt{2} - 18\sqrt{2} =$$

$$6\sqrt{18} - 5\sqrt{32} =$$

$$4\sqrt{32} - 3\sqrt{48} + 4\sqrt{128}$$

$$\sqrt{20y^2} - 3y\sqrt{5}$$

$$8k^3\sqrt{54k} + 6^3\sqrt{16k^4}$$

$$5^4\sqrt{m^5} + 3^4\sqrt{81m^5}$$