Simplifying Radicals (C)





Section A Simplify the following radicals.

3)
$$11\sqrt{5} + 3\sqrt{7} + 4\sqrt{5} + 6\sqrt{7}$$

4)
$$16\sqrt{5} + 9\sqrt{7} - 7\sqrt{5} - 4\sqrt{7}$$

5)
$$3\sqrt{2} + 7\sqrt{3} - 7\sqrt{3} - 8\sqrt{2}$$

10)
$$2\sqrt{45} + 5\sqrt{20} - 4\sqrt{98}$$

Expand the parentheses and simplify the radicals.

7)
$$(5 + \sqrt{3})(4 + 2\sqrt{3})$$

8)
$$(7\sqrt{5}+2)(\sqrt{5}+4)$$

3)
$$\sqrt{5}(5\sqrt{5}-\sqrt{3})$$

9)
$$(1-3\sqrt{7})(6-3\sqrt{7})$$

4)
$$2\sqrt{11}(4-\sqrt{11})$$

10)
$$(\sqrt{3}-1)(9\sqrt{3}+5)$$

5)
$$(\sqrt{7} + 3)(\sqrt{7} - 3)$$

11)
$$(4\sqrt{7} + 3)(3\sqrt{7} - 1)$$

6)
$$(8 + \sqrt{5})(8 - \sqrt{5})$$

12)
$$(4\sqrt{3} - \sqrt{2})(3\sqrt{3} - 4\sqrt{2})$$

Section C Expand the parentheses and simplify the radicals.

1)
$$(\sqrt{2} + 1)^2$$

4)
$$\sqrt{22}(\sqrt{3} + \sqrt{7})^2$$

2)
$$(\sqrt{11}-2)^2$$

3)
$$(3-\sqrt{5})^2$$

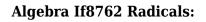
6)
$$((\sqrt{2})^3 + \sqrt{5})^2$$

3)
$$(3-\sqrt{5})^2$$

6)
$$((\sqrt{2})^3 + \sqrt{5})^2$$

Algebra If8762 Radicals

Michael Rajnik



Algebra If8762 Radicals Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has are more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Algebra If8762 Radicals**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we will delve into the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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