



The Academic Algebra (Paperback)

By William Frothingham Bradbury

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1889 edition. Excerpt: . a) n (-6) if n is even. 198. Like roots of both members of an inequality are inequalities of the same direction. M i i Thus, if $a > b$, then $a^n > b^n$. In case n is even, the inequality of the possible negative roots is reversed. 199. The sum of the corresponding members of several inequalities of the same direction is an inequality of the same direction. Thus, $7 > 5 > 3 > 2 > 1$. CHAPTER XV. INVOLUTION AND EVOLUTION. 203. Involution is the process of raising a number to a power. 204. A number is involved by taking it as a factor as many times as there are units in the index of the required power. 206. According to Art. 70, $(+a)^n = +a^n$, $(+a)^0 = 1$, $(+a)^1 = +a$, $(+a)^2 = +a^2$, $(+a)^3 = +a^3$, $(+a)^4 = +a^4$, $(+a)^5 = +a^5$, $(+a)^6 = +a^6$, $(+a)^7 = +a^7$, $(+a)^8 = +a^8$, $(+a)^9 = +a^9$, $(+a)^{10} = +a^{10}$, $(+a)^{11} = +a^{11}$, $(+a)^{12} = +a^{12}$, $(+a)^{13} = +a^{13}$, $(+a)^{14} = +a^{14}$, $(+a)^{15} = +a^{15}$, $(+a)^{16} = +a^{16}$, $(+a)^{17} = +a^{17}$, $(+a)^{18} = +a^{18}$, $(+a)^{19} = +a^{19}$, $(+a)^{20} = +a^{20}$, $(+a)^{21} = +a^{21}$, $(+a)^{22} = +a^{22}$, $(+a)^{23} = +a^{23}$, $(+a)^{24} = +a^{24}$, $(+a)^{25} = +a^{25}$, $(+a)^{26} = +a^{26}$, $(+a)^{27} = +a^{27}$, $(+a)^{28} = +a^{28}$, $(+a)^{29} = +a^{29}$, $(+a)^{30} = +a^{30}$, $(+a)^{31} = +a^{31}$, $(+a)^{32} = +a^{32}$, $(+a)^{33} = +a^{33}$, $(+a)^{34} = +a^{34}$, $(+a)^{35} = +a^{35}$, $(+a)^{36} = +a^{36}$, $(+a)^{37} = +a^{37}$, $(+a)^{38} = +a^{38}$, $(+a)^{39} = +a^{39}$, $(+a)^{40} = +a^{40}$, $(+a)^{41} = +a^{41}$, $(+a)^{42} = +a^{42}$, $(+a)^{43} = +a^{43}$, $(+a)^{44} = 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