二次方程式＜ａｘ＾２＝ｂパターン＞　No.1 の解答

1. 次の二次方程式を解きなさい。

(1) $3x^2 = 48$

答．$x = 4, -4$

(2) $5x^2 = 55$

答．$x = \sqrt{11}, -\sqrt{11}$

(3) $2x^2 = 28$

答．$x = \sqrt{14}, -\sqrt{14}$

(4) $2x^2 = 90$

答．$x = 3\sqrt{5}, -3\sqrt{5}$

(5) $3x^2 = 93$

答．$x = \sqrt{31}, -\sqrt{31}$

(6) $x^2 = 1$

答．$x = 1, -1$

(7) $x^2 = 25$

答．$x = 5, -5$

(8) $5x^2 = 5$

答．$x = 1, -1$

(9) $4x^2 = 144$

答．$x = 6, -6$

(10) $5x^2 = 125$

答．$x = 5, -5$

二次方程式＜ａｘ＾２＝ｂパターン＞　No.2 の解答 _____

1. 次の二次方程式を解きなさい。

(1) $4x^2 = 72$

答. $x = 3\sqrt{2}, -3\sqrt{2}$

(2) $x^2 = 4$

答. $x = 2, -2$

(3) $x^2 = 64$

答. $x = 8, -8$

(4) $x^2 = 8$

答. $x = 2\sqrt{2}, -2\sqrt{2}$

(5) $4x^2 = 100$

答. $x = 5, -5$

(6) $4x^2 = 84$

答. $x = \sqrt{21}, -\sqrt{21}$

(7) $3x^2 = 33$

答. $x = \sqrt{11}, -\sqrt{11}$

(8) $4x^2 = 168$

答. $x = \sqrt{42}, -\sqrt{42}$

(9) $x^2 = 25$

答. $x = 5, -5$

(10) $5x^2 = 210$

答. $x = \sqrt{42}, -\sqrt{42}$

二次方程式＜ａｘ＾２＝ｂパターン＞　No.3 の解答

1. 次の二次方程式を解きなさい。

(1) $4x^2 = 16$

答. $x = 2, -2$

(2) $2x^2 = 88$

答. $x = 2\sqrt{11}, -2\sqrt{11}$

(3) $4x^2 = 100$

答. $x = 5, -5$

(4) $3x^2 = 36$

答. $x = 2\sqrt{3}, -2\sqrt{3}$

(5) $x^2 = 33$

答. $x = \sqrt{33}, -\sqrt{33}$

(6) $x^2 = 32$

答. $x = 4\sqrt{2}, -4\sqrt{2}$

(7) $5x^2 = 20$

答. $x = 2, -2$

(8) $3x^2 = 54$

答. $x = 3\sqrt{2}, -3\sqrt{2}$

(9) $2x^2 = 50$

答. $x = 5, -5$

(10) $3x^2 = 126$

答. $x = \sqrt{42}, -\sqrt{42}$

二次方程式＜ａｘ＾２＝ｂパターン＞　No.4 の解答

1. 次の二次方程式を解きなさい。

(1) $2x^2 = 8$

答. $x = 2, -2$

(2) $2x^2 = 24$

答. $x = 2\sqrt{3}, -2\sqrt{3}$

(3) $3x^2 = 243$

答. $x = 9, -9$

(4) $5x^2 = 70$

答. $x = \sqrt{14}, -\sqrt{14}$

(5) $2x^2 = 4$

答. $x = \sqrt{2}, -\sqrt{2}$

(6) $x^2 = 1$

答. $x = 1, -1$

(7) $2x^2 = 98$

答. $x = 7, -7$

(8) $4x^2 = 256$

答. $x = 8, -8$

(9) $4x^2 = 16$

答. $x = 2, -2$

(10) $2x^2 = 48$

答. $x = 2\sqrt{6}, -2\sqrt{6}$

二次方程式＜ａｘ＾２＝ｂパターン＞　No.5 の解答

1. 次の二次方程式を解きなさい。

(1) $5x^2 = 245$

答. $x = 7, -7$

(2) $5x^2 = 70$

答. $x = \sqrt{14}, -\sqrt{14}$

(3) $x^2 = 21$

答. $x = \sqrt{21}, -\sqrt{21}$

(4) $4x^2 = 116$

答. $x = \sqrt{29}, -\sqrt{29}$

(5) $3x^2 = 72$

答. $x = 2\sqrt{6}, -2\sqrt{6}$

(6) $5x^2 = 205$

答. $x = \sqrt{41}, -\sqrt{41}$

(7) $x^2 = 36$

答. $x = 6, -6$

(8) $5x^2 = 100$

答. $x = 2\sqrt{5}, -2\sqrt{5}$

(9) $4x^2 = 68$

答. $x = \sqrt{17}, -\sqrt{17}$

(10) $3x^2 = 3$

答. $x = 1, -1$