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/	NO2		中1	

ルートの性質 1

ルートの性質 2

ルートの性質 2 応用

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|---|--|---|
| ① $(\sqrt{3})^2 = 3$ | ① $\sqrt{3^2} = 3$ | ① $\sqrt{25} = \sqrt{5^2} = 5$ |
| ② $(-\sqrt{7})^2 = 7$ | ② $\sqrt{(-7)^2} = 7$ | ② $-\sqrt{16} = -\sqrt{4^2} = -4$ |
| ③ $(\sqrt{9})^2 = 9$ | ③ $-\sqrt{10^2} = -10$ | ③ $\sqrt{0} = 0$ |
| ④ $(-\sqrt{10})^2 = 10$ | ④ $\pm\sqrt{0.1^2} = \pm 0.1$ | ④ $-\sqrt{36} = -\sqrt{6^2} = -6$ |
| ⑤ $(\sqrt{0.5})^2 = 0.5$ | ⑤ $\sqrt{(-11)^2} = 11$ | ⑤ $\pm\sqrt{1.21} = \pm\sqrt{1.1^2} = \pm 1.1$ |
| ⑥ $-(-\sqrt{4})^2 = -4$ | ⑥ $-\sqrt{8^2} = -8$ | ⑥ $-\sqrt{0.09} = -\sqrt{0.3^2} = -0.3$ |
| ⑦ $(\sqrt{0.1})^2 = 0.1$ | ⑦ $-\sqrt{(-19)^2} = -19$ | ⑦ $\sqrt{49} = \sqrt{7^2} = 7$ |
| ⑧ $(\sqrt{\frac{2}{13}})^2 = \frac{2}{13}$ | ⑧ $\sqrt{(-\frac{1}{2})^2} = \frac{1}{2}$ | ⑧ $\pm\sqrt{225} = \pm\sqrt{15^2} = \pm 15$ |
| ⑨ $-(\sqrt{15})^2 = -15$ | ⑨ $\sqrt{1.3^2} = 1.3$ | ⑨ $-\sqrt{1.96} = -\sqrt{1.4^2} = -1.4$ |
| ⑩ $-(-\sqrt{6})^2 = -6$ | ⑩ $\sqrt{6^2} = 6$ | ⑩ $\sqrt{\frac{9}{64}} = \sqrt{(\frac{3}{8})^2} = \frac{3}{8}$ |
| ⑪ $(\sqrt{\frac{5}{21}})^2 = \frac{5}{21}$ | ⑪ $-\sqrt{15^2} = -15$ | ⑪ $\pm\sqrt{1} = \pm\sqrt{1^2} = \pm 1$ |
| ⑫ $-(-\sqrt{8})^2 = -8$ | ⑫ $-\sqrt{(-1)^2} = -1$ | ⑫ $\sqrt{0.0025} = \sqrt{0.05^2} = 0.05$ |
| ⑬ $(-\sqrt{30})^2 = 30$ | ⑬ $\sqrt{(\frac{3}{7})^2} = \frac{3}{7}$ | ⑬ $-\sqrt{\frac{25}{4}} = -\sqrt{(\frac{5}{2})^2} = -\frac{5}{2}$ |
| ⑭ $(\sqrt{5})^2 = 5$ | ⑭ $\sqrt{(-5)^2} = 5$ | ⑭ $\sqrt{1.44} = \sqrt{1.2^2} = 1.2$ |
| ⑮ $(\sqrt{\frac{7}{11}})^2 = \frac{7}{11}$ | ⑮ $-\sqrt{0.09^2} = -0.09$ | ⑮ $-\sqrt{169} = -\sqrt{13^2} = -13$ |
| ⑯ $(-\sqrt{1.2})^2 = 1.2$ | ⑯ $\sqrt{3.5^2} = 3.5$ | ⑯ $\sqrt{100} = \sqrt{10^2} = 10$ |
| ⑰ $-(-\sqrt{0.3})^2 = -0.3$ | ⑰ $\sqrt{(-\frac{3}{4})^2} = \frac{3}{4}$ | ⑰ $\pm\sqrt{0.01} = \pm\sqrt{0.1^2} = \pm 0.1$ |
| ⑱ $-(-\sqrt{\frac{41}{93}})^2 = -\frac{41}{93}$ | ⑱ $-\sqrt{(\frac{2}{5})^2} = -\frac{2}{5}$ | ⑱ $\sqrt{361} = \sqrt{19^2} = 19$ |
| ⑲ $-(\sqrt{17})^2 = -17$ | ⑲ $\pm\sqrt{7.1^2} = \pm 7.1$ | ⑲ $-\sqrt{4} = -\sqrt{2^2} = -2$ |
| ⑳ $-(-\sqrt{2})^2 = -2$ | ㉑ $\pm\sqrt{0.7^2} = \pm 0.7$ | ⑳ $\sqrt{\frac{81}{49}} = \sqrt{(\frac{9}{7})^2} = \frac{9}{7}$ |