

問題番号 09M0202_02 レベル ☆☆☆	うんな進学塾 中3 第2章 平方根 ②ルート(根号)の計算に慣れる Level-1-2 解答	授業動画QR 
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1. 次の数を根号を使って平方根を表しなさい。

- (1) 13 (2) 21 (3) 95
- (4) 0.05 (5) $\frac{7}{3}$ (6) $\frac{6}{5}$

(1) $\pm\sqrt{13}$	(2) $\pm\sqrt{21}$	(3) $\pm\sqrt{95}$
(4) $\pm\sqrt{0.05}$	(5) $\pm\sqrt{\frac{7}{3}}$	(6) $\pm\sqrt{\frac{6}{5}}$

2. 次の数を根号を使わずに表しなさい。

- $$\begin{array}{lll} (1) \quad -\sqrt{36} = -\sqrt{6^2} = -6 & (2) \quad \sqrt{(-7)^2} = \sqrt{49} = \sqrt{7^2} = 7 & (3) \quad \sqrt{100} = \sqrt{10^2} = 10 \\ (4) \quad -\sqrt{\frac{1}{16}} = -\sqrt{\frac{1^2}{4^2}} = -\frac{1}{4} & (5) \quad -\sqrt{(-10)^2} = -\sqrt{100} = -\sqrt{10^2} = -10 & (6) \quad \sqrt{0.81} = \sqrt{0.9^2} = 0.9 \\ (7) \quad \sqrt{0.49} = \sqrt{0.7^2} = 0.7 & (8) \quad -\sqrt{9^2} = -9 & (9) \quad \sqrt{\frac{25}{36}} = \sqrt{\frac{5^2}{6^2}} = \frac{5}{6} \end{array}$$

(1) -6	(2) 7	(3) 10
(4) $-\frac{1}{4}$	(5) -10	(6) 0.9
(7) 0.7	(8) -9	(9) $\frac{5}{6}$

3. 次の数を求めなさい。

- $$\begin{array}{lll} \text{(1)} \quad (\sqrt{11})^2 & \text{(2)} \quad (-\sqrt{49})^2 & \text{(3)} \quad (\sqrt{0.25})^2 \\ = \sqrt{11} \times \sqrt{11} = 11 & (-\sqrt{49})(-\sqrt{49}) = 49 & (\sqrt{0.25})(\sqrt{0.25}) \end{array}$$

(1) 11	(2) 49	(3) 0.25
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