

[12-04-12-T8]

Square roots - review questions

- [1] If we take $\sqrt{2} = 1.414$, what are (a) $\sqrt{200}$ and (b) $\sqrt{.0002}$?
- [2] If we take $\sqrt{3} = 1.7$ and $\sqrt{7} = 2.6$, what are (a) $\sqrt{21}$ and (b) $\sqrt{2100}$?
- [3] Simplify $\sqrt{237160}$.
- [4] Which is greater, $2\sqrt{7}$ or $3\sqrt{5}$?
- [5] True or false, $\sqrt{4} = \pm 2$?
- [6] True or false, the square roots of 4 are 2 and -2 ?
- [7] True or false, the number $5.010010100101001\dots$ is rational.
- [8] True or false, the number $5.01001000100001\dots$ is rational.

Answers

[1] (a) 14.14 and (b) 0.01414

[2] (a) 4.42 and (b) 44.2

[3] Simplify $154\sqrt{10}$.

[4] $3\sqrt{5} > 2\sqrt{7}$?

[5] False

[6] True

[7] True

[8] False