

March 24, 2015

Quiz #7 - Friday

- 9.1 Graphing Square Root Functions
- 9.2 Multiplication (Simplifying)

see 10.3 Handout

$$\begin{cases} \textcircled{1} \sqrt[n]{a} \cdot \sqrt[n]{b} = \sqrt[n]{ab} \\ \textcircled{2} \frac{\sqrt[n]{a}}{\sqrt[n]{b}} = \sqrt[n]{\frac{a}{b}} \end{cases}$$

- 10.2 Handout (Rational Exponents)

Mar 24-9:55 AM

$$\begin{aligned} (-3)^4 &= (-3) \cdot (-3) \cdot (-3) \cdot (-3) \\ &= 9 \cdot (-3) \cdot (-3) \\ &= (-27) \cdot (-3) \\ &= 81 \\ * -3^4 &= (-1) \cdot 3 \cdot 3 \cdot 3 \cdot 3 \\ &= (-3) \cdot 3 \cdot 3 \cdot 3 \\ &= -9 \cdot 3 \cdot 3 \\ &= -27 \cdot 3 \\ &= -81 \end{aligned}$$

Mar 24-10:05 AM

#6)

$$\begin{aligned} &(6x-1)^{2/3} \\ &= \sqrt[3]{(6x-1)^2} \\ &= \sqrt[3]{36x^2 + 12x + 1} \end{aligned}$$

Mar 24-10:32 AM

#8)

$$\begin{aligned} 25^{-5/4} &= \frac{1}{25^{5/4}} \\ &= \frac{1}{\sqrt[4]{25^5}} \\ &= \frac{1}{(\sqrt[4]{25})^5} \end{aligned}$$

Mar 24-10:40 AM