



Warm Up

Wed. Feb 5

Test Feb 13

1. Entire to Mixed:

$$\begin{aligned} \text{a) } \sqrt{32} &= \sqrt{16 \times 2} \\ &= \sqrt{16} \times \sqrt{2} \\ &= 4\sqrt{2} \end{aligned}$$

$$\begin{aligned} \text{b) } \sqrt[3]{648} &= \sqrt[3]{216 \times 3} \\ &= \sqrt[3]{216} \times \sqrt[3]{3} \\ &= 6\sqrt[3]{3} \end{aligned}$$

2. Mixed to Entire:

$$\begin{aligned} \text{a) } 4\sqrt{3} &= \sqrt{4^2 \times 3} \\ &= \sqrt{16 \times 3} \\ &= \sqrt{48} \end{aligned}$$

$$\begin{aligned} \text{b) } 3\sqrt[3]{2} &= \sqrt[3]{3^3 \times 2} \\ &= \sqrt[3]{27 \times 2} \\ &= \sqrt[3]{54} \end{aligned}$$

$$\begin{aligned} \text{c) } 2^5\sqrt{2} &= \sqrt[5]{2^5 \times 2} \\ &= \sqrt[5]{32 \times 2} \\ &= \sqrt[5]{64} \end{aligned}$$

quiz time

Page 218_219 Solutions.notebook