a) $\frac{4}{7}$

b) $\sqrt{72}$ → $\sqrt{36}\cdot\sqrt{2}$ → $6\sqrt{2}$

$\sqrt{9}\cdot\sqrt{8}$

$3\sqrt{8}$

$3\sqrt{4}\cdot\sqrt{2}$

$3\cdot 2\cdot\sqrt{2}$

$6\sqrt{2}$

$5\sqrt{2}\cdot 4\sqrt{3}$

$20\sqrt{6}$

$\frac{2}{\sqrt{5}} \times \frac{\sqrt{5}}{\sqrt{5}} = \frac{2\sqrt{5}}{(\sqrt{25})} = \frac{2\sqrt{5}}{5}$

Oct 17-9:46 AM

$\frac{(x^4)(x^{-3})}{x^2} = \frac{x^{4+-3}}{x^2} = \frac{x^1}{x^2} = x^{1-2}$

$x^{-1} = \frac{1}{x^1}$ or $\frac{1}{x}$

Oct 17-9:50 AM

$(b^3e^2)(b^4e^{-2})$

$b^7e^0 = b^7\cdot 1 = b^7$

a) $\sqrt{8}$

$\sqrt{4}\cdot\sqrt{2}$

$2\sqrt{2}$

b) $\sqrt{45}$

$\sqrt{9}\cdot\sqrt{5}$

$3\sqrt{5}$

c) $\sqrt[3]{24}$

$\sqrt[3]{8}\cdot\sqrt[3]{3}$

$2\sqrt[3]{3}$

d) $\sqrt[3]{64} = 4$

e) $\sqrt[5]{32} = 2$

f) $\sqrt{81} = 9$

Oct 17-9:51 AM

$16^{\frac{1}{2}}$

$\sqrt[2]{16^1}$

$\sqrt{16^1} = 4$

$8^{\frac{1}{3}}$

$\sqrt[3]{8^1}$

$= 2$

TIBO

Oct 17-9:55 AM

$16^{\frac{2}{3}} = \sqrt[3]{16^2}$

#4. MIXED → ENTIRE

$3\sqrt{6}$ $3^2\cdot\sqrt{6}$

$\sqrt{9}\cdot\sqrt{6} = \sqrt{54}$

c) $2\sqrt[3]{3}$

$2^3\cdot\sqrt[3]{3}$ $= \sqrt[3]{8}\cdot\sqrt[3]{3} = \sqrt[3]{24}$

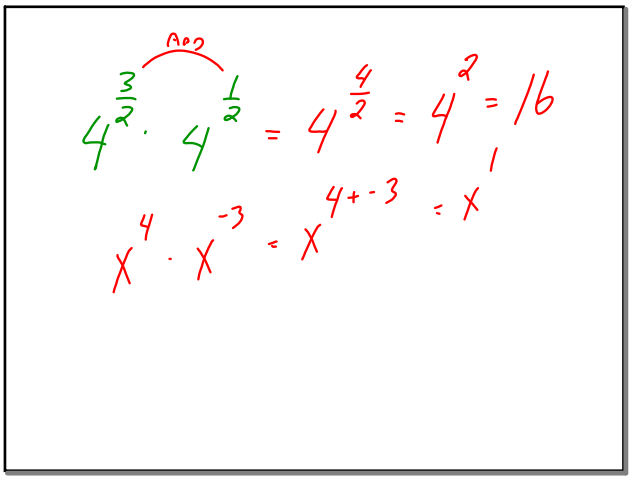
Oct 17-10:02 AM

USE EXPONENTS

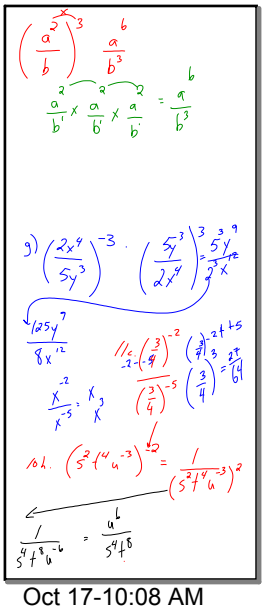
$\sqrt{6^1} = 6^{\frac{1}{2}}$

TIBO

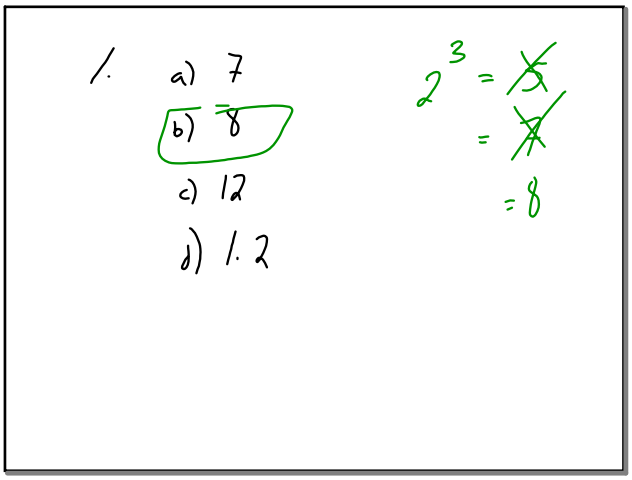
Oct 17-10:04 AM



Oct 17-10:06 AM



Oct 17-10:08 AM



Oct 17-10:32 AM