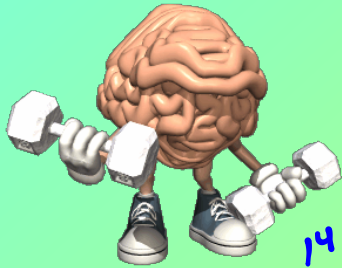


Friday, Sept 16



$$1^4 = 1$$

$$2^4 = 16$$

$$3^4 = 81$$

Warm Up

1. Entire to Mixed:

a)  $\sqrt[4]{32}$

$$\sqrt[4]{16 \times 2}$$

$$\sqrt[4]{16} \sqrt[4]{2}$$

$$2 \sqrt[4]{2}$$

b)  $\sqrt[3]{648}$

$$\sqrt[3]{216 \times 3}$$

$$\sqrt[3]{216} \sqrt[3]{3}$$

$$6 \sqrt[3]{3}$$

2. Mixed to Entire:

a)  $4\sqrt{3}$

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

$$\sqrt{16 \cdot 3}$$

$$= \sqrt{48}$$

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

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

$$\sqrt[3]{27 \cdot 2}$$

$$\sqrt[3]{54}$$

c)  $2\sqrt[5]{2}$

$$\sqrt[5]{2^5 \cdot 2}$$

$$\sqrt[5]{32 \cdot 2}$$

$$\sqrt[5]{64}$$

# QUIZ TIME

After Quiz is handed in work on the following

class/ **Homework**

Page: 218-219

Questions:

10 (g,h,i) 11 (j) 12 (b,d,f,h,j)

19, 20, 21, 22, 23

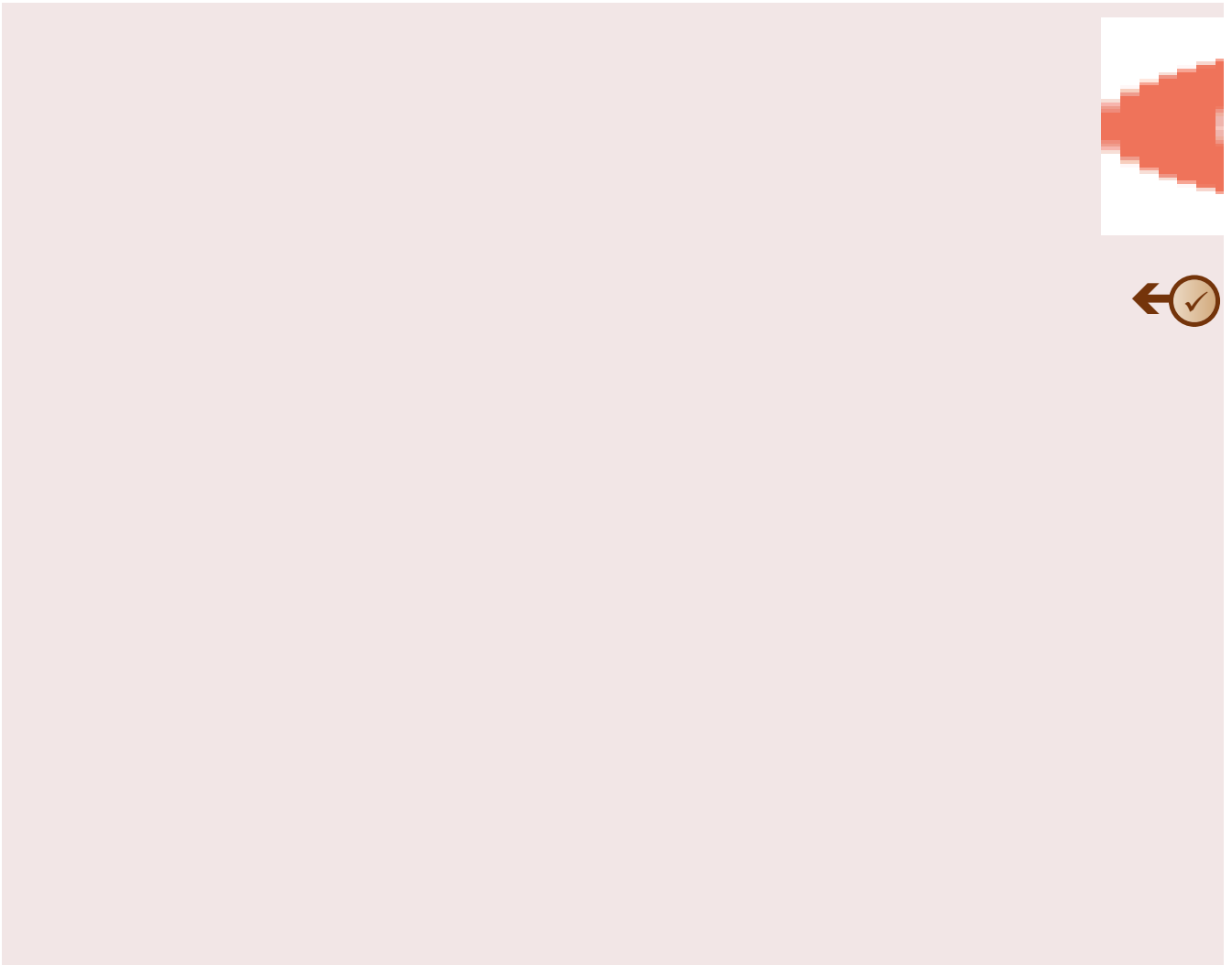
1) /4  
2) /5  
3) /6  
4) /6

/21

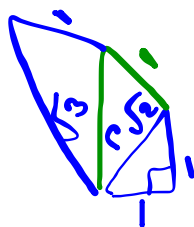












$$\begin{aligned}
 c &= \sqrt{a^2 + b^2} \\
 &= \sqrt{1^2 + 1^2} \\
 &= \sqrt{1 + 1} \\
 &= \sqrt{2}
 \end{aligned}$$

$$\begin{aligned}
 &\triangle 3 \\
 c &= \sqrt{a^2 + b^2} \\
 &= \sqrt{1^2 + (\sqrt{3})^2} \\
 &= \sqrt{1 + 3} \\
 &= \sqrt{4} \\
 &= 2
 \end{aligned}$$

$$\begin{aligned}
 &\text{2nd } \triangle \\
 c &= \sqrt{a^2 + b^2} \\
 &= \sqrt{1^2 + (\sqrt{2})^2} \\
 &= \sqrt{1 + 2} \\
 &= \sqrt{3}
 \end{aligned}$$





















