

a)
Evaluate:

$$64^{-\frac{2}{3}}$$

Can you re-write the expression as a fraction?	$\frac{1}{64^{\frac{2}{3}}}$
Can you write the denominator as a radical?	$\frac{1}{(\sqrt[3]{64})^2}$
What is the value of the expression?	$\frac{1}{(4)^2} = \frac{1}{16}$

b)
Evaluate:

$$32^{-\frac{4}{5}}$$

Can you re-write the expression as a fraction?	$\frac{1}{32^{\frac{4}{5}}}$
Can you write the denominator as a radical?	$\frac{1}{(\sqrt[5]{32})^4}$
What is the value of the expression?	

c)
Evaluate:

$$25^{-\frac{3}{2}}$$

Can you re-write the expression as a fraction?	$\frac{1}{25^{\frac{3}{2}}}$
Can you write the denominator as a radical?	
What is the value of the expression?	

d)
Evaluate:

$$27^{-\frac{2}{3}}$$