-32 $\lim_{x\to 1} \frac{\sqrt[3]{x}-x}{x-1} \cdot \frac{\sqrt[3]{x^2}+\sqrt[3]{x}\cdot x+x^2}{\sqrt[3]{x^2}+\sqrt[3]{x}\cdot x+x^2} = \lim_{x\to 1} \frac{x-x^3}{(x-1)(\sqrt[3]{x^2}+\sqrt[3]{x}\cdot x+x^2)} = \lim_{x\to 1} \frac{x(1-x^2)}{(x-1)(\sqrt[3]{x^2}+\sqrt[3]{x}\cdot x+x^2)} =$

$\lim_{x\to 1} \frac{x(1-x)(1+x)}{(x-1)(\sqrt[3]{x^2}+\sqrt[3]{x}\cdot x+x^2)} = \frac{-1\cdot 2}{1+1+1} = \frac{-2}{3}$