

32. $\lim_{x \rightarrow 8} \frac{x^{2/3} - 4}{x^{1/3} - 2}$

$$= \lim_{x \rightarrow 8} \frac{(x^{1/3} - 2)(x^{1/3} + 2)}{(x^{1/3} - 2)}$$
$$= \lim_{x \rightarrow 8} (x^{1/3} + 2) = 4$$