

**13.** 
$$\lim_{x \rightarrow 3} \frac{x^2 - 9}{\sqrt{x} - \sqrt{3}} = \lim_{x \rightarrow 3} \frac{(x - 3)(x + 3)(\sqrt{x} + \sqrt{3})}{x - 3}$$
$$= \lim_{x \rightarrow 3} (x + 3)(\sqrt{x} + \sqrt{3}) = 12\sqrt{3}$$