

Multiply the numerator and denominator by the conjugate of the denominator:

$$\frac{5}{(\sqrt{x} + 5)} \cdot \frac{(\sqrt{x} - 5)}{(\sqrt{x} - 5)} = \frac{5\sqrt{x} - 25}{\sqrt{x^2} - 25} = \frac{5\sqrt{x} - 25}{x - 25}$$