Substituting Quadratics to Solve Indices et al

1 $\frac{18}{x} + \frac{16}{\sqrt{x}} = 2$

2 $\frac{15}{\sqrt{x}} + \frac{72}{x} = 3$

3 $\frac{5}{\sqrt{x}} + \frac{10}{x} = 5$

4 $\frac{780}{x} + \frac{19}{\sqrt{x}} = 7$

5 $\frac{208}{x} + \frac{35}{\sqrt{x}} = 3$

6 $4x - 2 = \frac{2}{x}$

7 $30x^2 = 28 - \frac{6}{x^2}$

8 $4x^2 - 4 = \frac{48}{x^2}$