Problem **1** *What is the **sum** of the answers to the following equality?*

$$\sqrt{\frac{1}{3}x - \frac{5}{3}} + 2 = \sqrt{x - 13} + 2$$

The sum of solutions is: $\boxed{17}$.

Feedback(`attempt` ***):*** *Recall that you need to isolate one of the radicals, then square both sides. Once you expand everything out, you will need to re-isolate the remaining radical and square both sides again, which should leave you with a quadratic. Once you solve the quadratic, you then need to check your solutions to see if they are extraneous or valid.*