1) a)
$$a_n = \frac{(-1)^n}{n} = 0$$
, the we emphasize a consider to $\frac{1}{n} = \frac{1}{n} = 0$. The decision of the properties of the properties

$$\frac{1}{2} \int \frac{dx}{x(\sqrt{x-y}+2)} = \frac{2}{3} \frac{x-y-t^2}{4x-2tdt} = 2 \int \frac{tdt}{(t^2+y)(t+2)}$$

$$\frac{t}{(t+2)(t^2+y)} = \frac{A}{t+2} + \frac{B+t}{t^2+2} \int \frac{t}{(t^2+y)(t+2)}$$

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$$\frac{t}{(t+2)(t^2+y)} = \frac{A}{t+2} + \frac{B+t}{t^2+2} \int \frac{t}{(t^2+y)(t+2)}$$

$$\frac{t}{(t+2)(t^2+y)} = \frac{A}{t^2+4} \int \frac{t}{(t+2)(t^2+y)}$$

$$\frac{t}{(t+2)(t^2+y)} = \frac{t}{(t+2)(t^2+y)}$$

$$\frac{t}{(t+2)(t^2+y)} =$$