

HW2 Part 2 Hand Calc

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$$\int_0^{\infty} \frac{1}{(1+x)\sqrt{x}} dx$$

$$x = \frac{z}{1-z}$$

$$\int_0^1 \left(\frac{1}{(1+\frac{z}{1-z})\sqrt{\frac{z}{1-z}}} \right) \times \frac{1}{(1-z)^2} dz$$

$$dx = \frac{dz}{(1-z)^2}$$