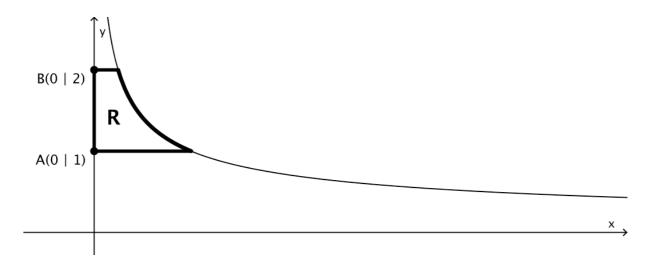
Basic Knowledge

Twee voorbeelden mondeling eindexamen

- 1. $\cos 30^{\circ} = ?$
- 2. Circumference of a Circle?
- 3. First derivative of $f(x) = a^x$
- 4. Convert the angle 60° into radians
- 5. Sketch $f(x) = \sin x$

Test Question

The diagram shows part of the graph of $y = \sqrt{\frac{1}{r}}$.



- a) Region \mathbf{R} is rotated about the y-axis. Find the volume of the solid of revolution.
- b) Region \mathbf{R} is rotated about the x-axis. Find the volume of the solid of revolution.

Open Question

Tell me all you know about the Dot Product.

Basic Knowledge

- 1. $\cos 45^{\circ} = ?$
- 2. Circumference of a Circle?
- 3. First derivative of $f(x) = x^n$
- 4. Find the argument of the complex number z = -1 + i
- 5. Sketch $f(x) = \tan x$

Test Question

Prove that $\frac{\ln x}{x} \le \frac{1}{e}$ for all x > 0.

Open Question

Tell me all you know about Lines in Space.