

Solution

Domain of
$$\sqrt{\frac{x(x-3)}{x-1}}$$
: Solution: $0 \le x < 1$ or $x \ge 3$ Interval Notation: $[0,1) \cup [3,\infty)$

Range of
$$\sqrt{\frac{x(x-3)}{x-1}}$$
: Solution: $f(x) \ge 0$ Interval Notation: $[0, \infty)$

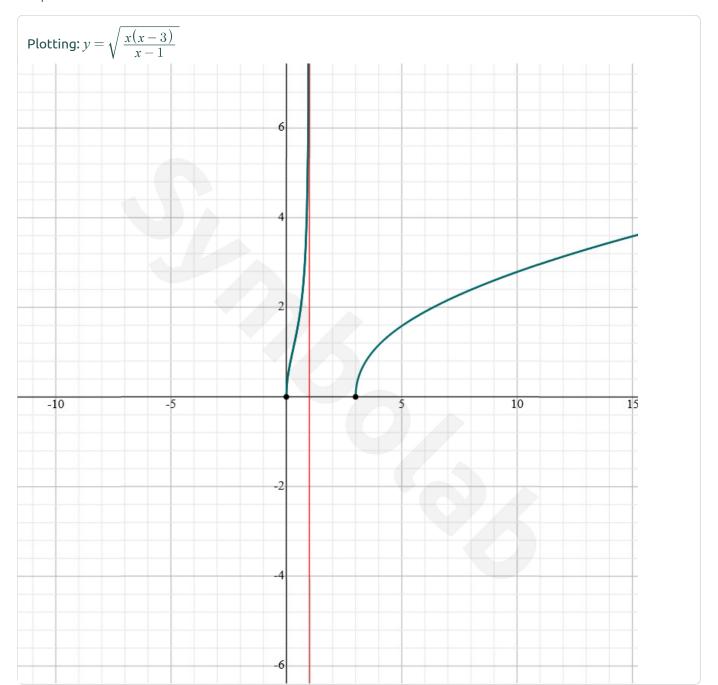
Axis interception points of
$$\sqrt{\frac{x(x-3)}{x-1}}$$
: X Intercepts: $(3,0),(0,0),$ Y Intercepts: $(0,0)$

Asymptotes of
$$\sqrt{\frac{x(x-3)}{x-1}}$$
: Vertical: $x=1$

Extreme Points of
$$\sqrt{\frac{x(x-3)}{x-1}}$$
 : Minimum(3,0)

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Graph



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