120 $y = \sqrt{\dfrac{x^2 - 2x}{x^3}}$

[C.E.: $x \geq 2$; $y > 0$ per $x > 2$]

121 $y = \ln \dfrac{x - 1}{x - 4}$

[C.E.: $x < 1 \lor x > 4$; $y > 0$ per $x > 4$]

122 $y = \dfrac{2 - |x|}{\sqrt{x - 1}}$

[C.E.: $x > 1$; $y > 0$ per $1 < x < 2$]

123 $y = \dfrac{x - 4}{x(1 - x)^2}$

[C.E.: $x \neq 0 \land x \neq 1$; $y > 0$ per $x < 0 \lor x > 4$]

124 $y = \dfrac{x^2 - 5x + 4}{x^2 - 3x}$

[C.E.: $x \neq 0 \land x \neq 3$; $y > 0$ per $x < 0 \lor 1 < x < 3 \lor x > 4$]

125 $y = \sqrt{\dfrac{1 - 4x^2}{\log_{\frac{1}{2}} x}}$

$\left[\text{C.E.: } 0 < x \leq \dfrac{1}{2} \lor x > 1; \ y > 0 \text{ per } 0 < x < \dfrac{1}{2} \lor x > 1\right]$

126 $y = \dfrac{1 - 2\,\text{sen}\,x}{\cos^2 x}$

$\left[\text{C.E.: } x \neq \dfrac{\pi}{2} + k\pi; \ y > 0 \text{ per } 2k\pi \leq x < \dfrac{\pi}{6} + 2k\pi \lor \dfrac{5}{6}\pi + 2k\pi < x < \dfrac{3}{2}\pi + 2k\pi \lor \dfrac{3}{2}\pi + 2k\pi < x < 2\pi + 2k\pi\right]$

127 $y = \dfrac{\text{arcsen}\,x}{\sqrt{1 - 4x^2}}$

$\left[\text{C.E.: } -\dfrac{1}{2} < x < \dfrac{1}{2}; \ y > 0 \text{ per } 0 < x < \dfrac{1}{2}\right]$

128 $y = \dfrac{\ln x}{|x| - |x - 1|}$

$\left[\text{C.E.: } x > 0 \land x \neq \dfrac{1}{2}; \ y > 0 \text{ per } 0 < x < \dfrac{1}{2} \lor x > 1\right]$

129 $y = \sqrt{2^{2x} - 2^x - 2} - \sqrt{2 - 2^x}$

[C.E.: $x = 1$; $y = 0$]

130 $y = \dfrac{\sqrt{x - 1}}{|x + 3|\ln(x - 2)}$

[C.E.: $x > 2 \land x \neq 3$; $y > 0$ per $x > 3$]

131 $y = \dfrac{e^{2x-1} - 1}{e^x - 1}$

$\left[\text{C.E.: } x \neq 0; \ y > 0 \text{ per } x < 0 \lor x > \dfrac{1}{2}\right]$

132 $y = \dfrac{\sqrt{\log_2 x}}{1 - \log_2 x}$

[C.E.: $x \geq 1 \land x \neq 2$; $y > 0$ per $1 < x < 2$]

133 $y = \dfrac{\text{sen}\,x}{1 - \text{tg}\,x}$

$\left[\text{C.E.: } x \neq \dfrac{\pi}{4} + k\pi \land x \neq \dfrac{\pi}{2} + k\pi; \ y > 0 \text{ per } 2k\pi < x < \dfrac{\pi}{4} + \right.$

$\left. + 2k\pi \lor \dfrac{\pi}{2} + 2k\pi < x < \pi + 2k\pi \lor \dfrac{5}{4}\pi + 2k\pi < x < \dfrac{3}{2}\pi + 2k\pi\right]$

134 $y = \dfrac{x^2 - 4}{9x^2 - x^3}$

[C.E.: $x \neq 0 \land x \neq 9$; $y > 0$ per $x < -2 \lor 2 < x < 9$]