

1. Graph the function $f(x) = \frac{6x + 6}{5x + 15}$

(a) Domain

(b) y-intercept

(c) x-intercept

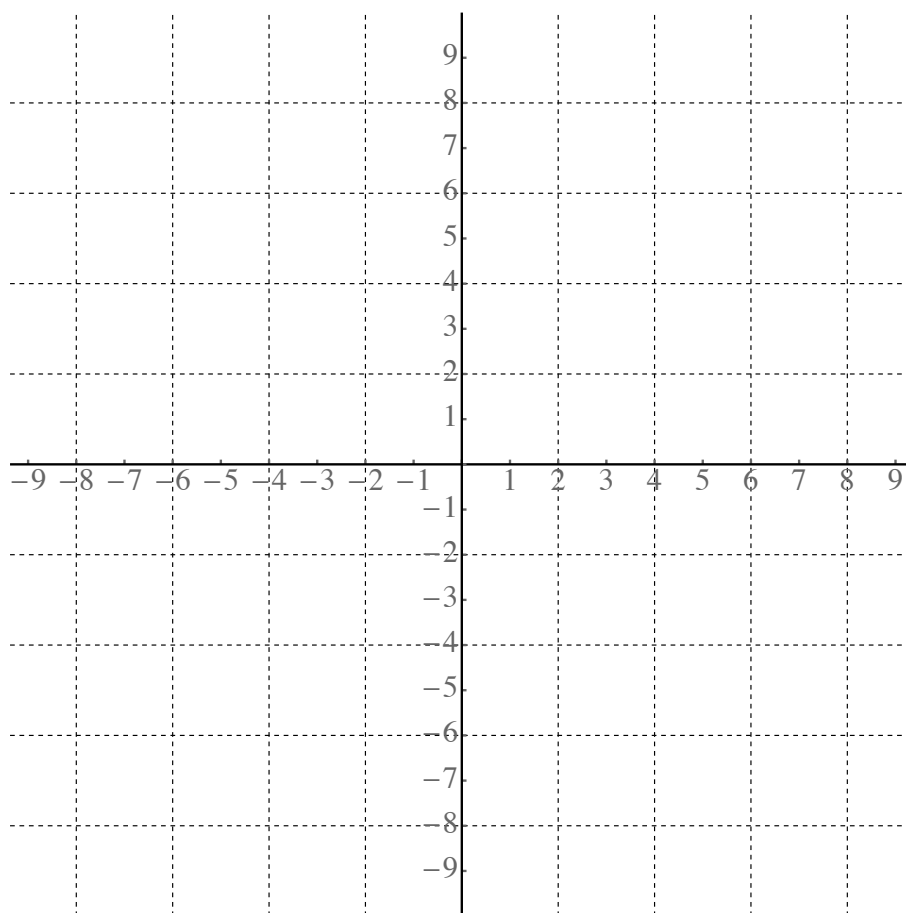
(d) Vertical asymptote(s)

(e) Horizontal asymptote(s)

(f) Symmetries

(g) Evaluate the function between the x-intercept(s), vertical asymptote(s) and hole(s)

(h) Graph



2. Find the standard equation of the parabola given by $y = (x - 8)(x + 2)$. Find its vertex and range.

3. Find the inverse of $y = \frac{2x-1}{3}$