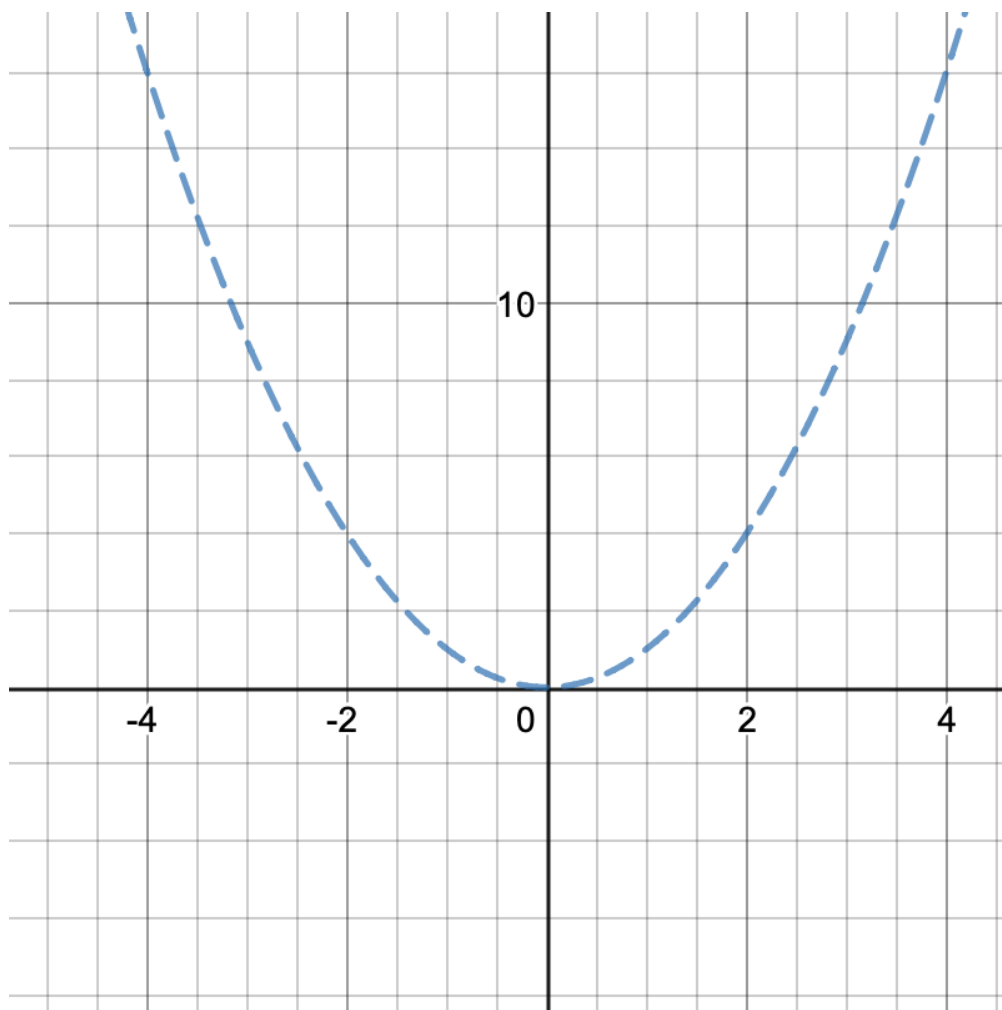


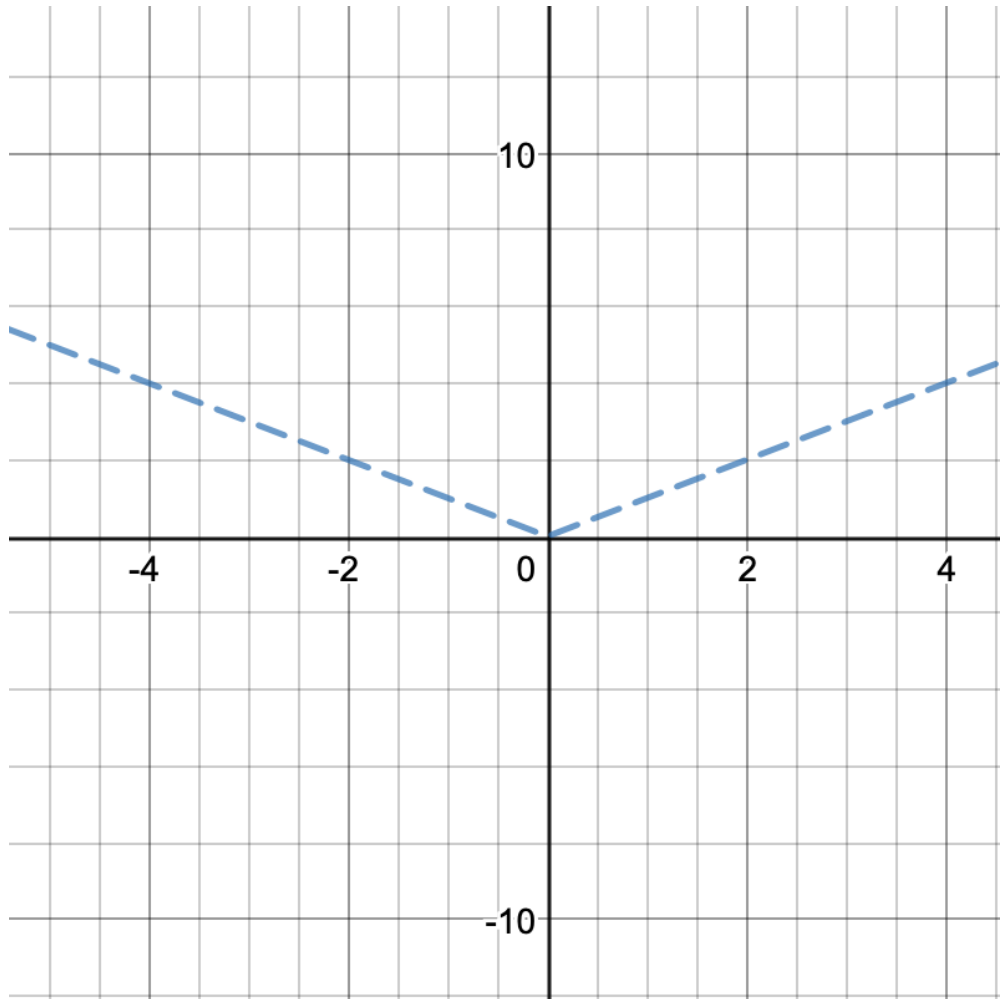
Curve Sketching Homework

Sketch the following curves by using translations and reflections.

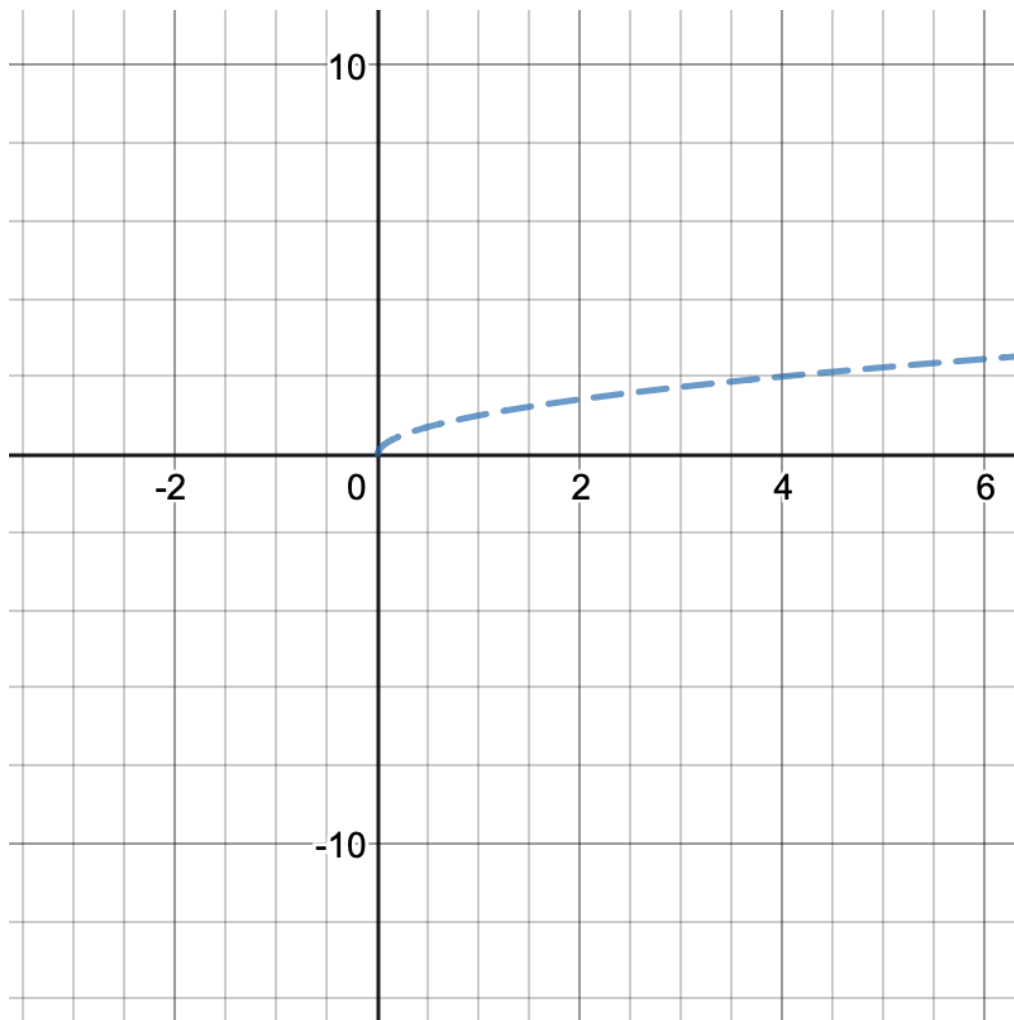
1. $f(x) = x^2 + 3$



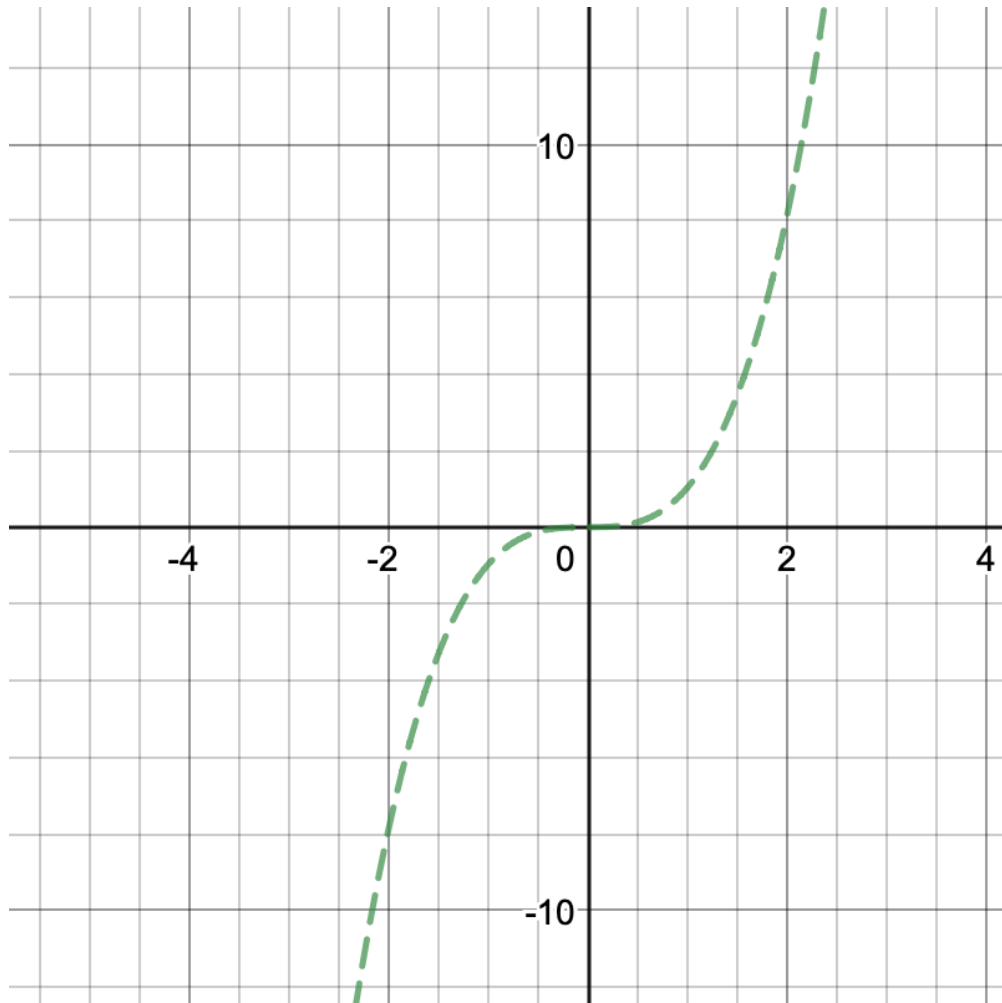
3. $f(x) = |x| - 2$



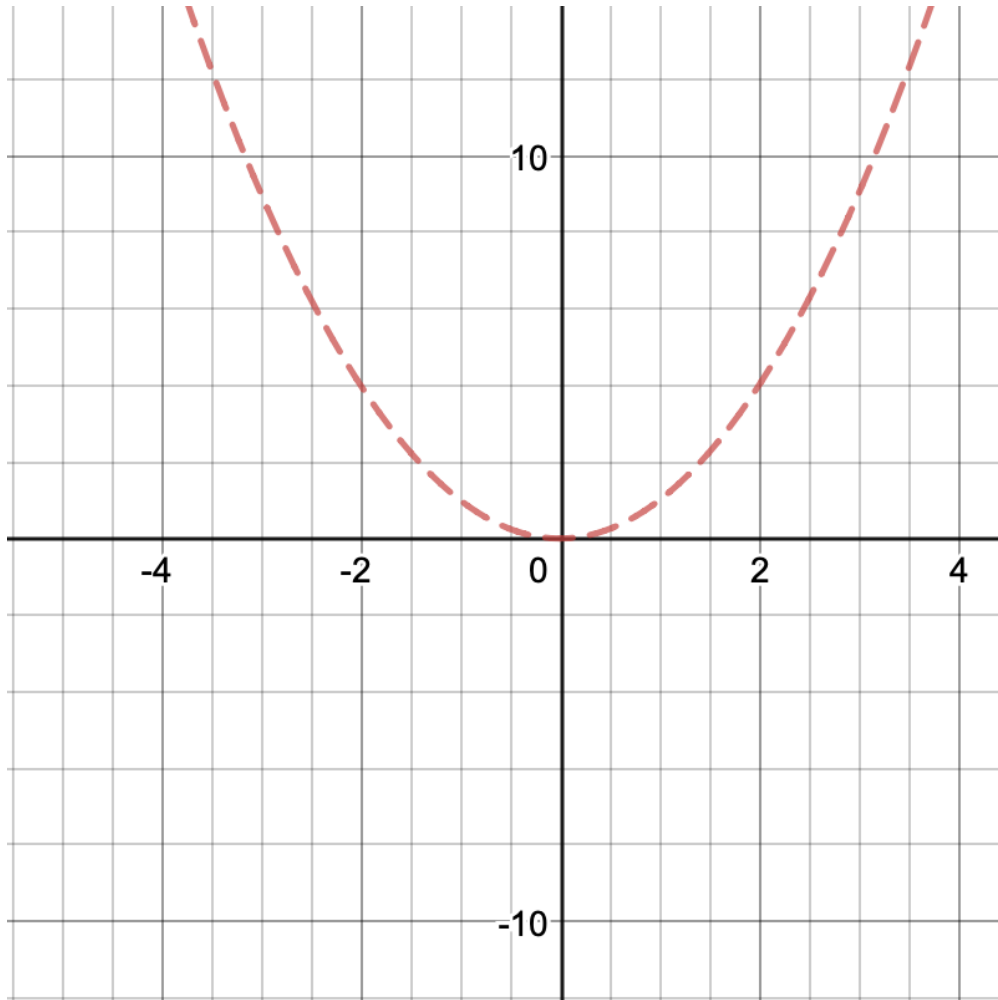
5. $f(x) = \sqrt{x} - 4$



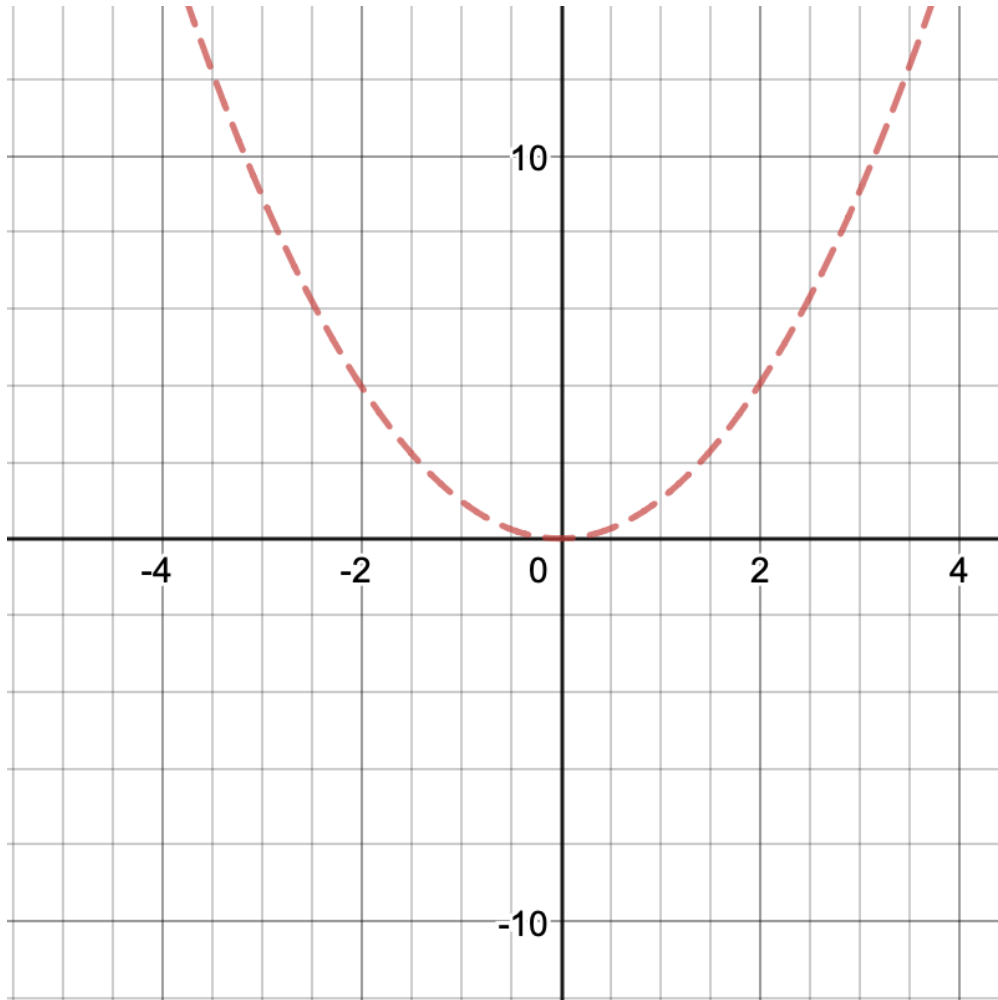
7. $f(x) = x^3 + 1$



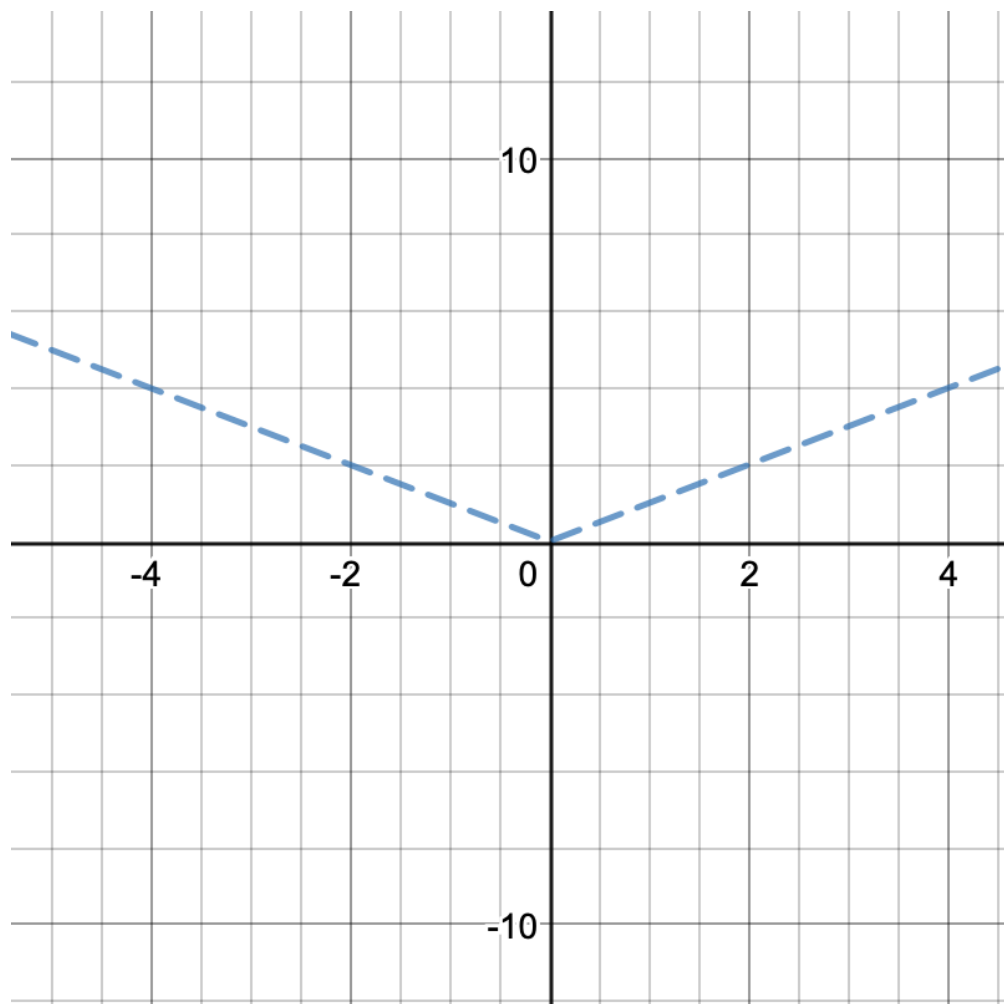
9. $f(x) = -x^2 + 5$



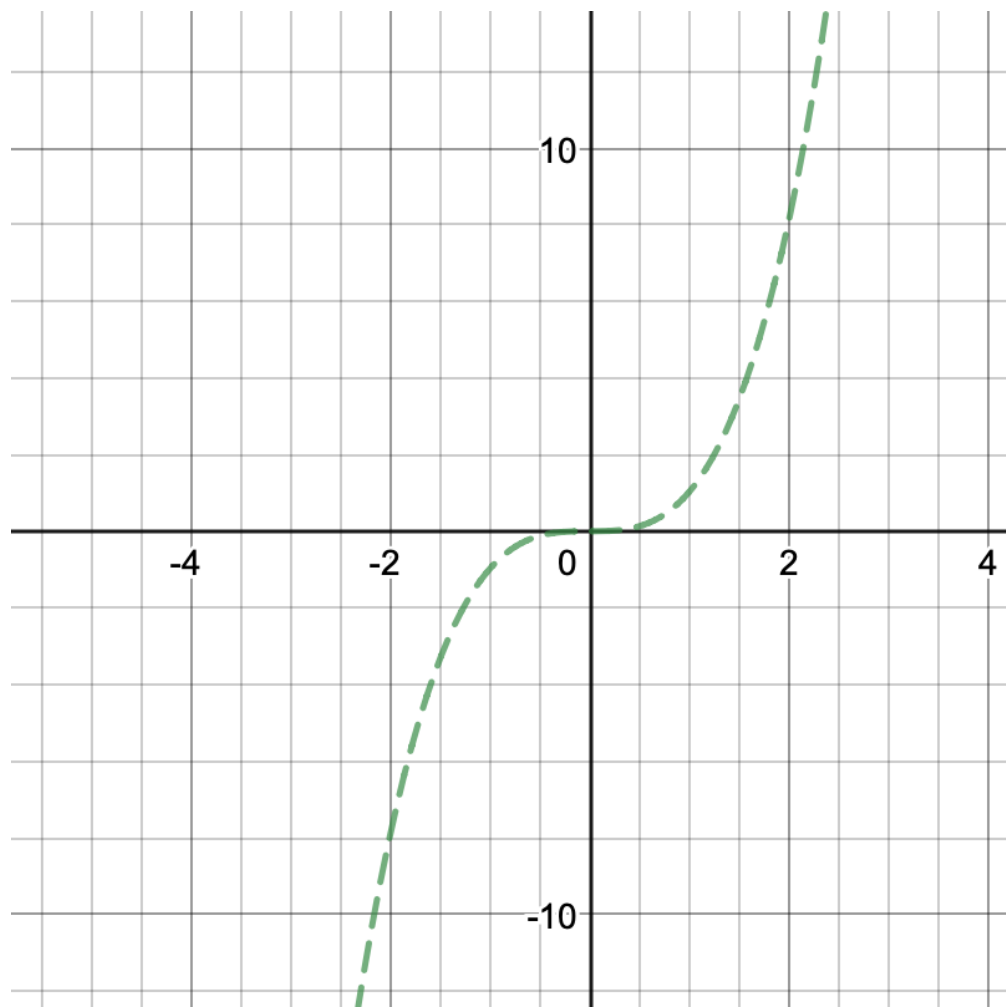
11. $f(x) = (x - 3)^2$



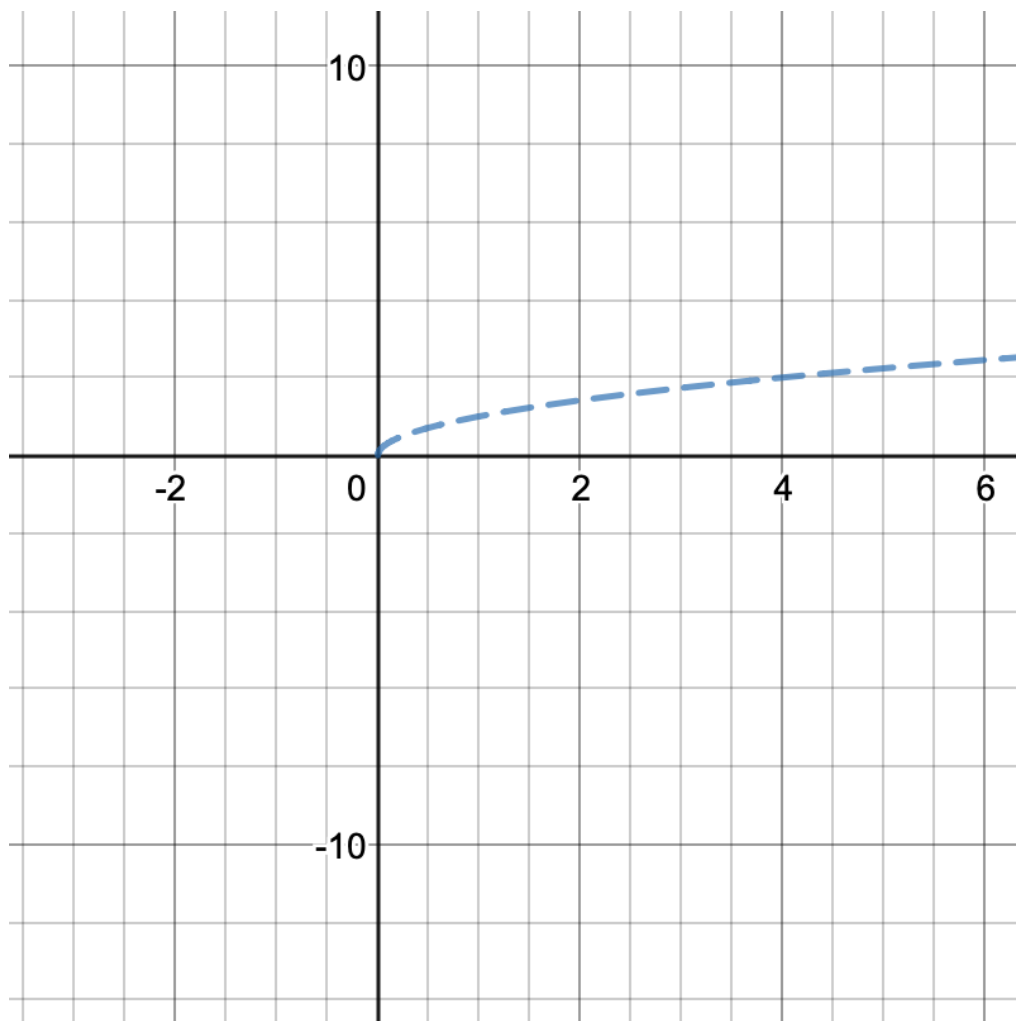
13. $f(x) = |x + 2|$



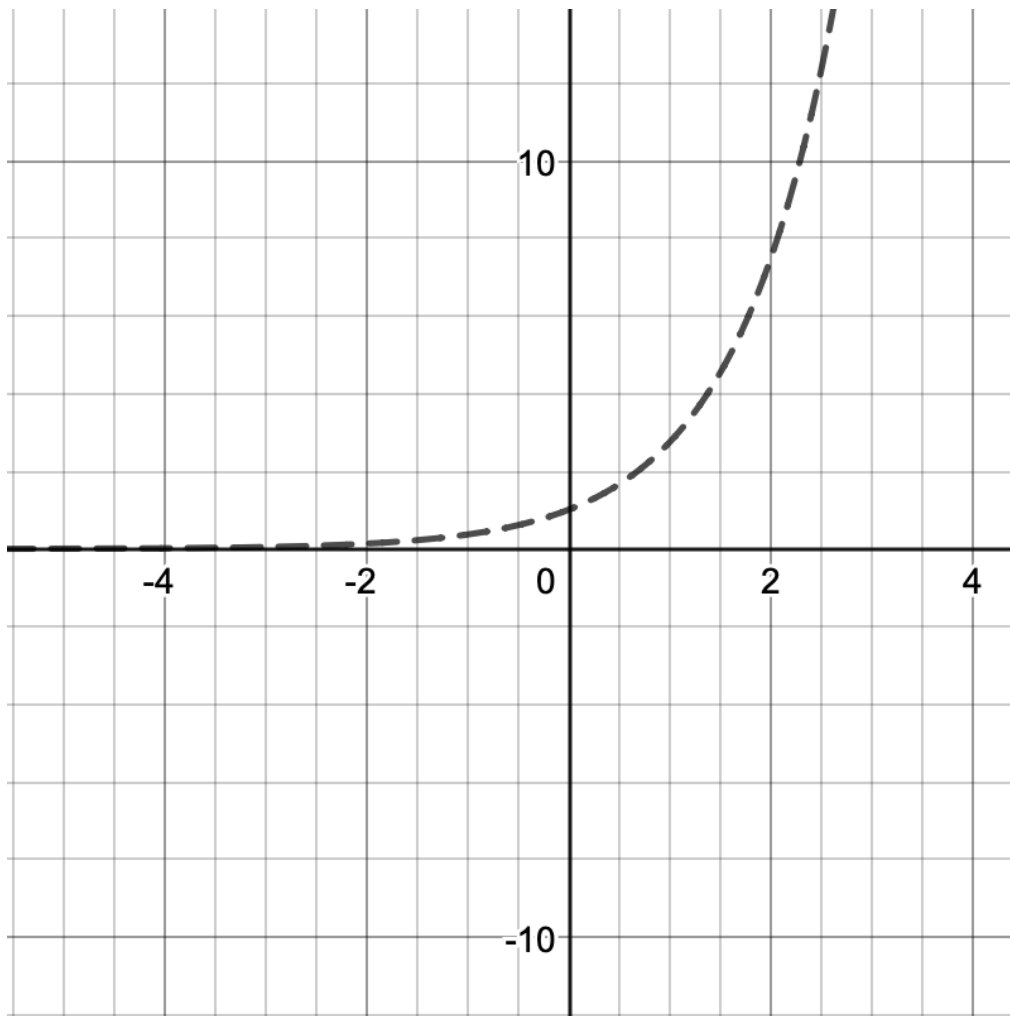
15. $f(x) = (x - 6)^3 + 2$



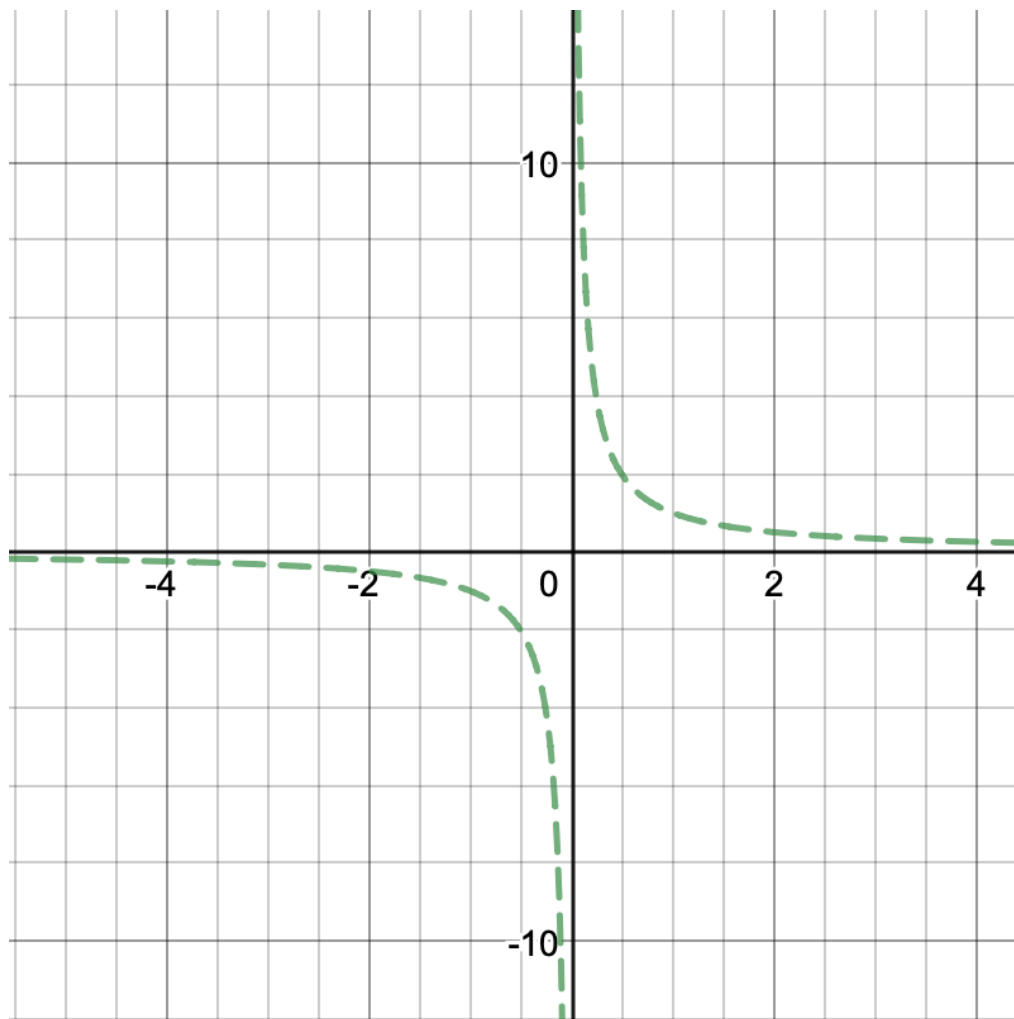
17. $f(x) = \sqrt{x} - 1$



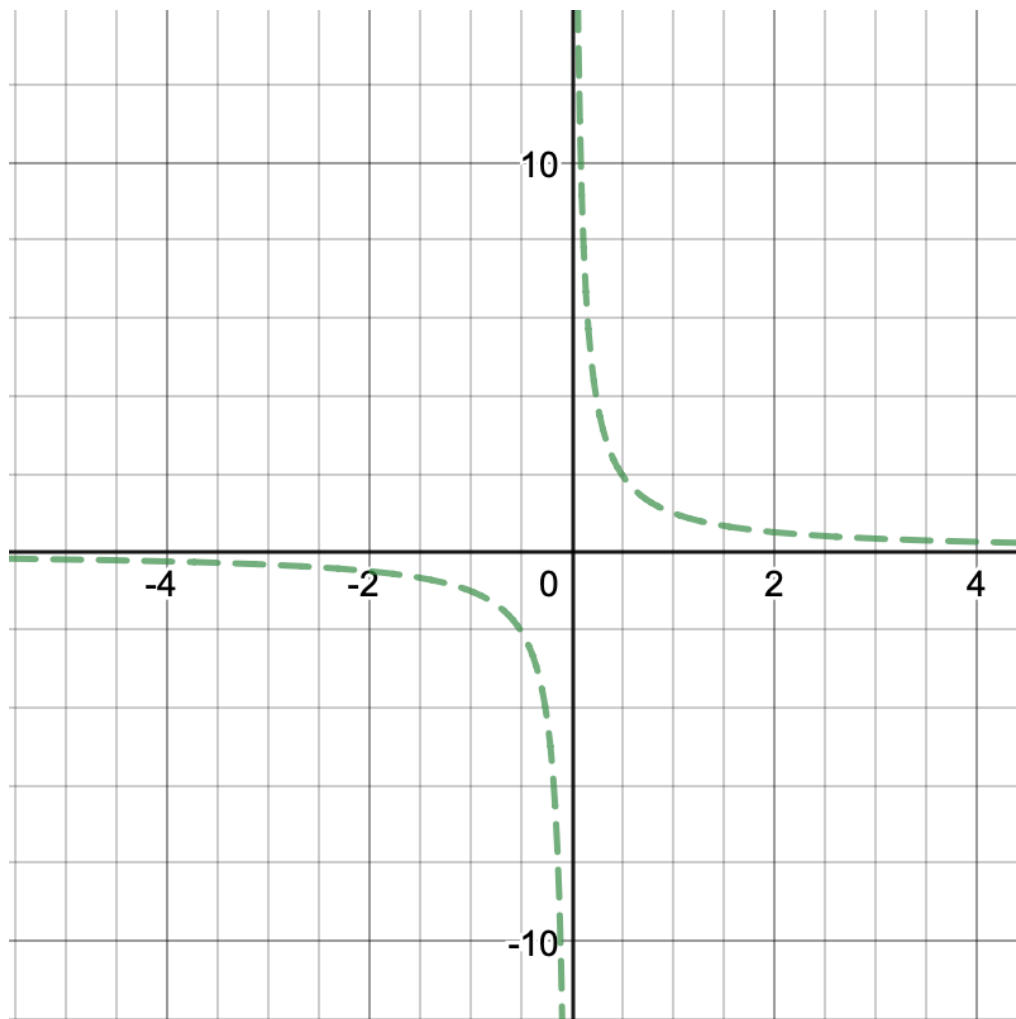
19. $f(x) = e^{x+3} - 1$



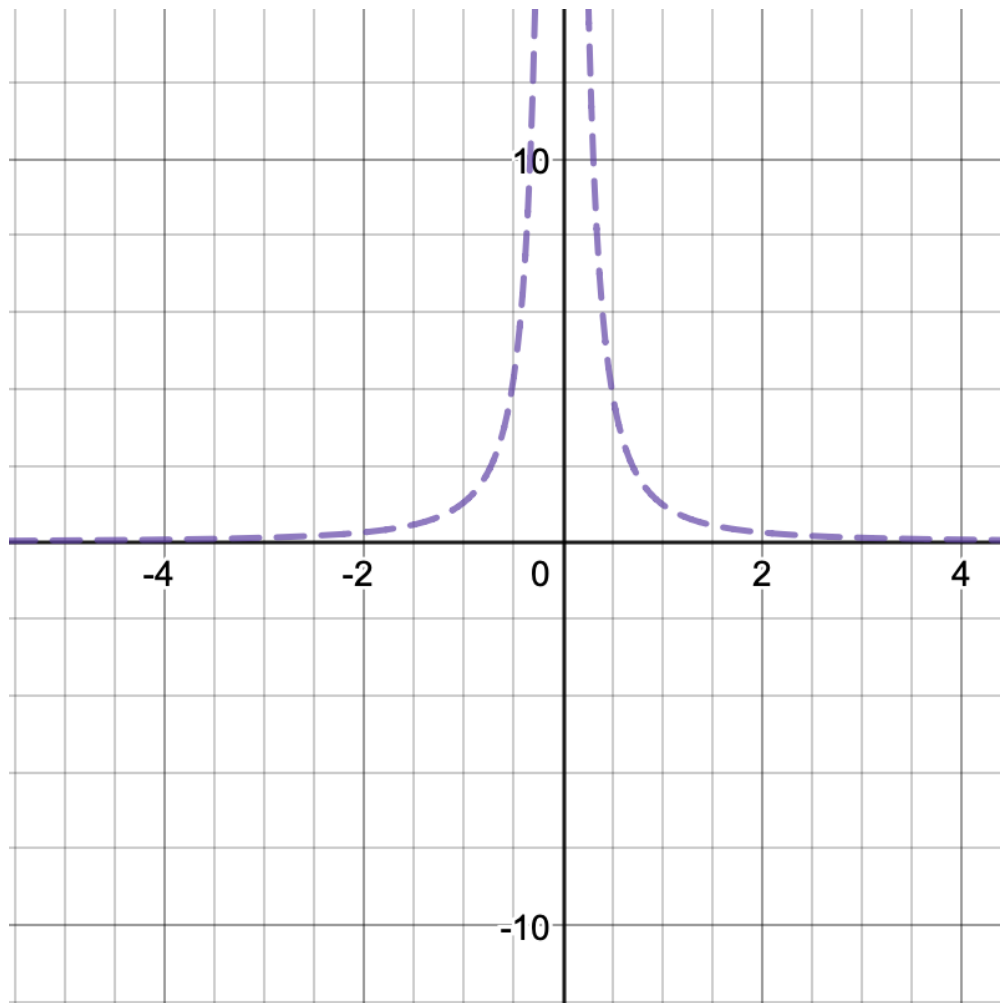
21. $f(x) = \frac{1}{x-4}$



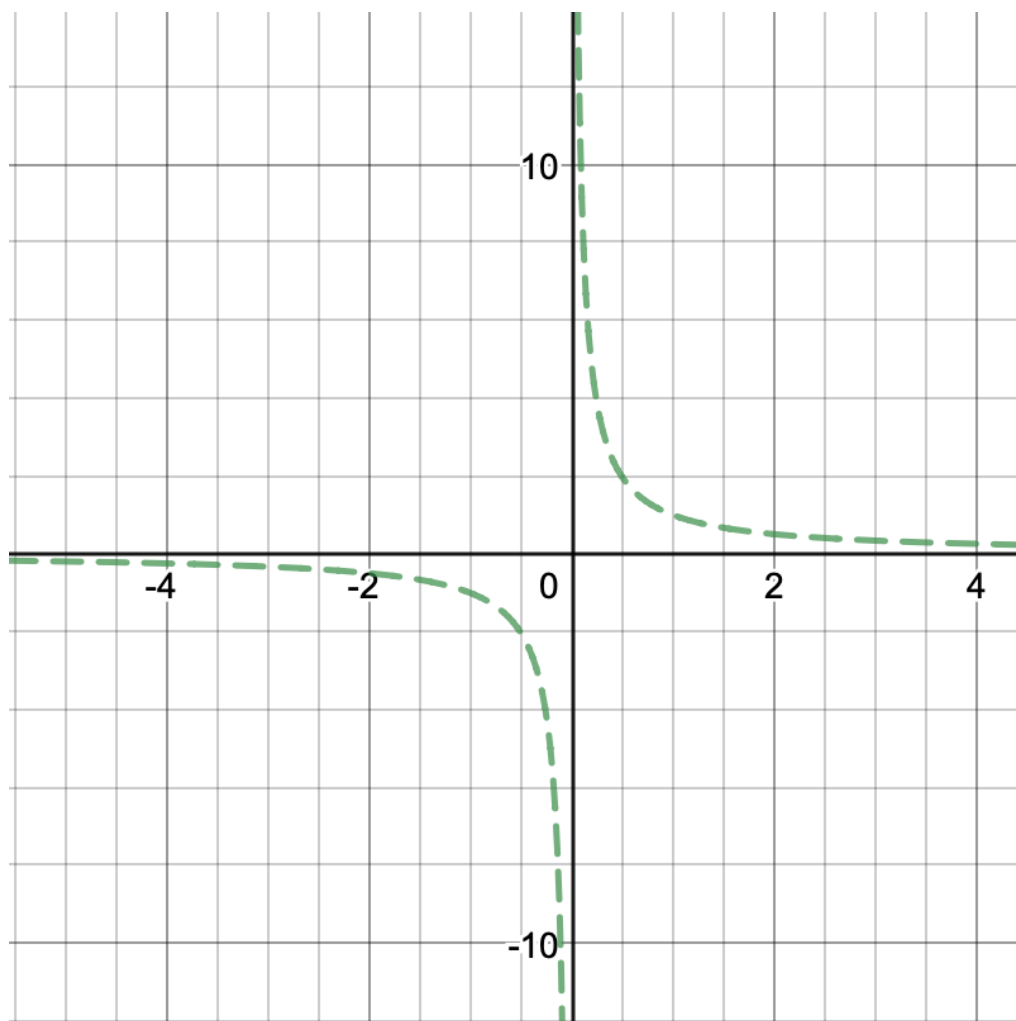
23. $f(x) = -\frac{1}{x+3}$



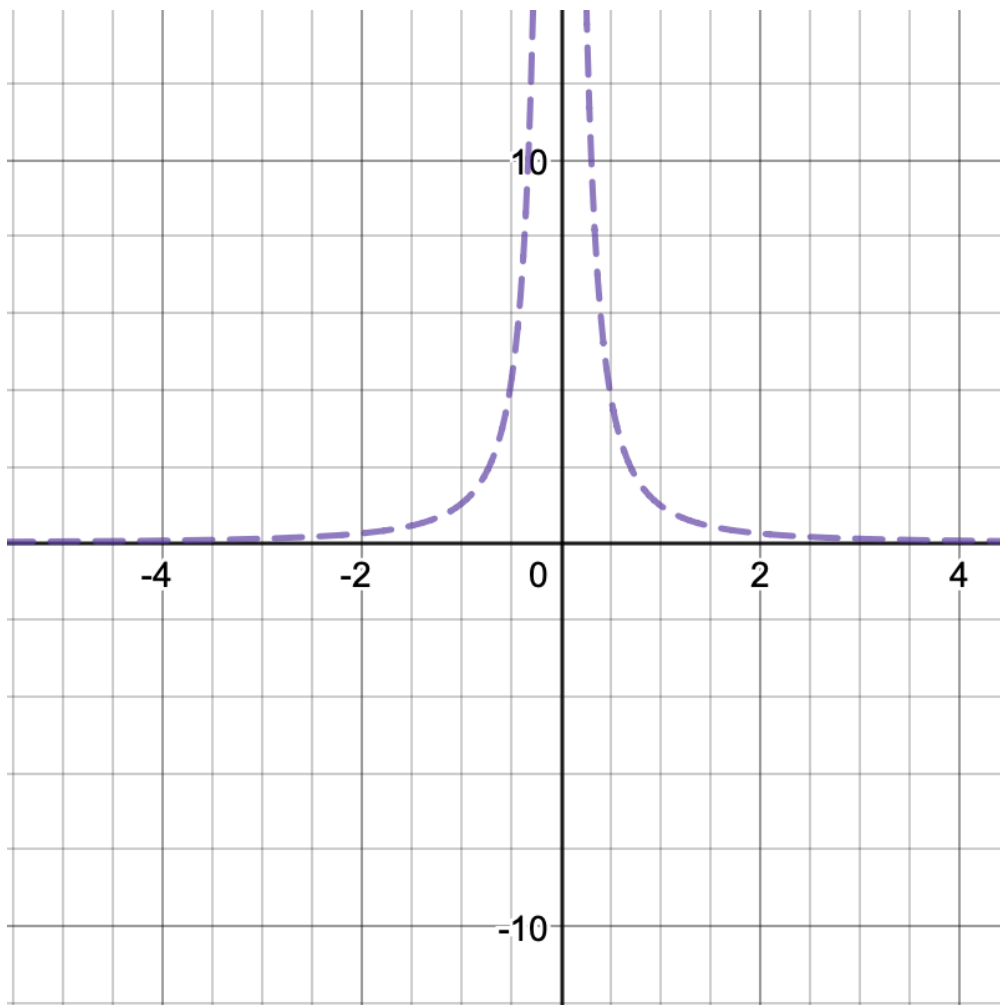
25. $f(x) = \frac{1}{(x-2)^2}$



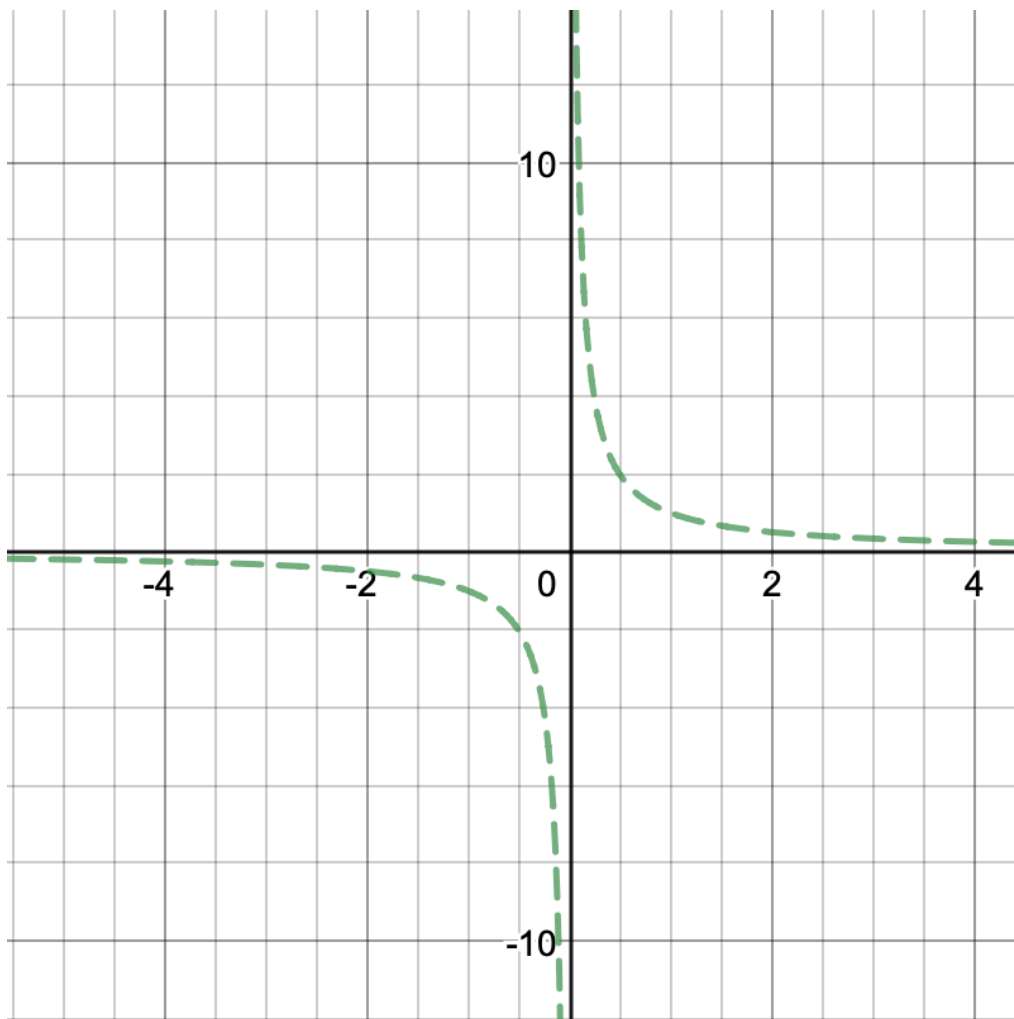
27. $f(x) = \frac{1}{x} + 4$



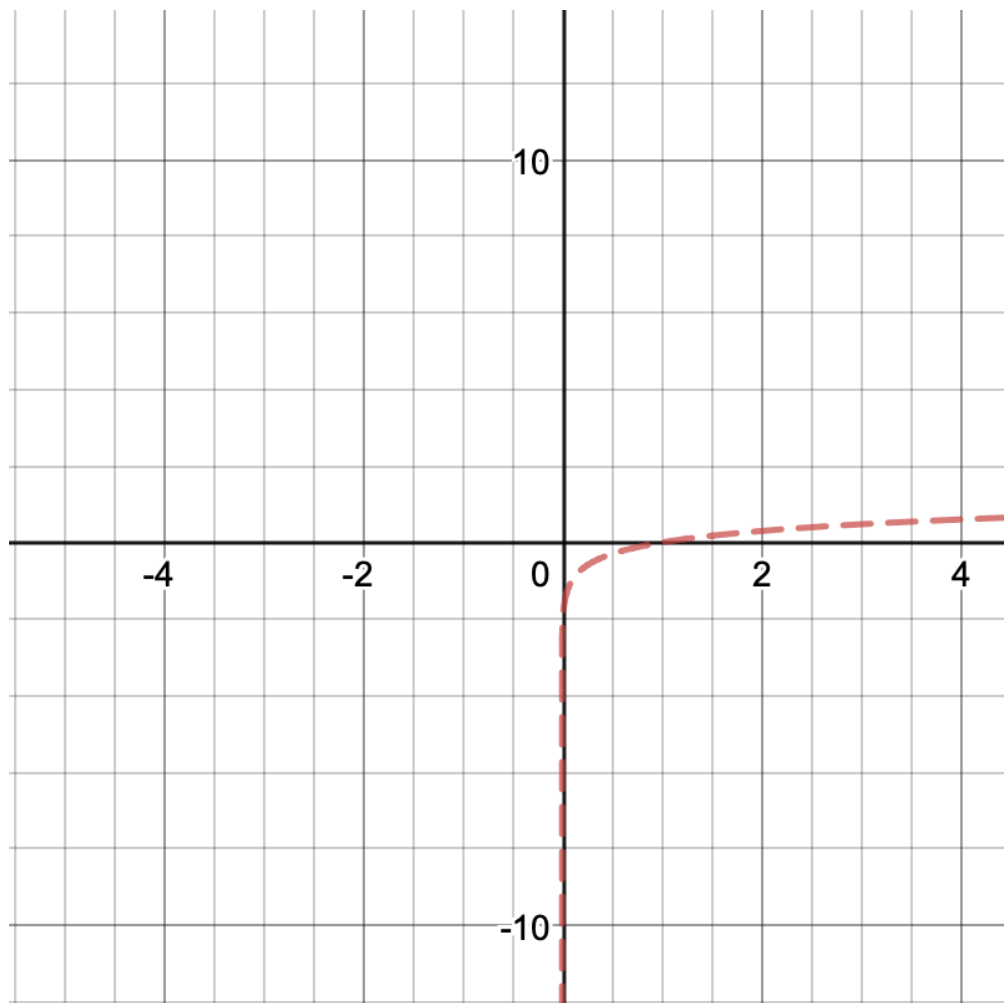
29. $f(x) = \frac{1}{x^2} - 3$



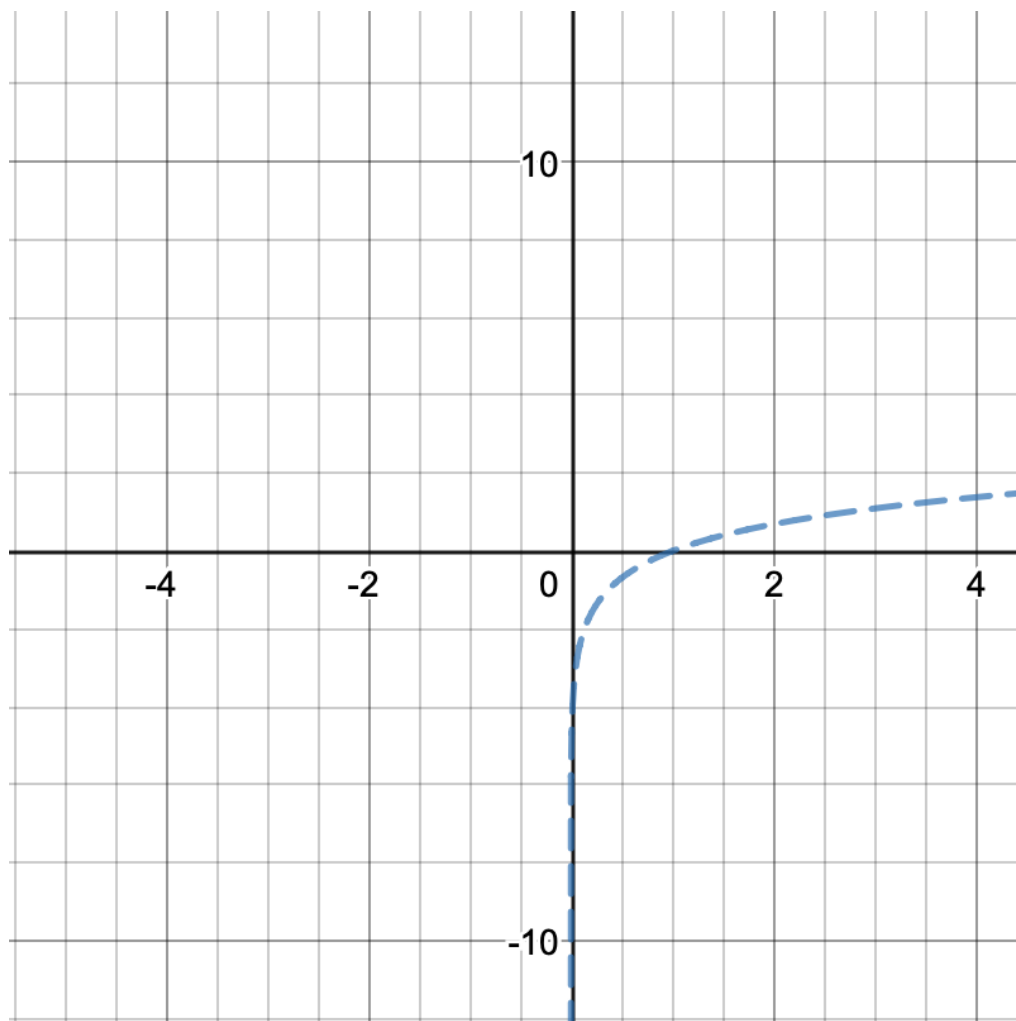
31. $f(x) = \frac{1}{x-4} + 3$



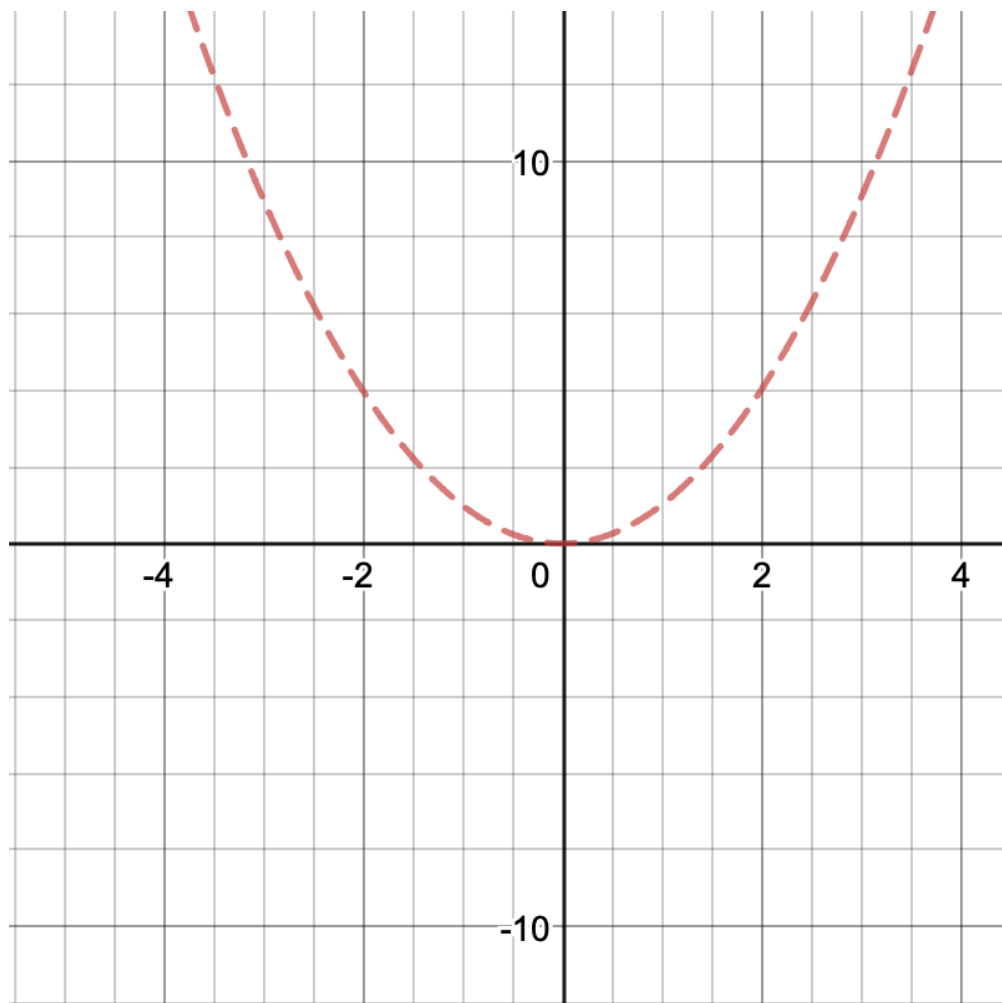
33. $f(x) = \log(x - 3)$



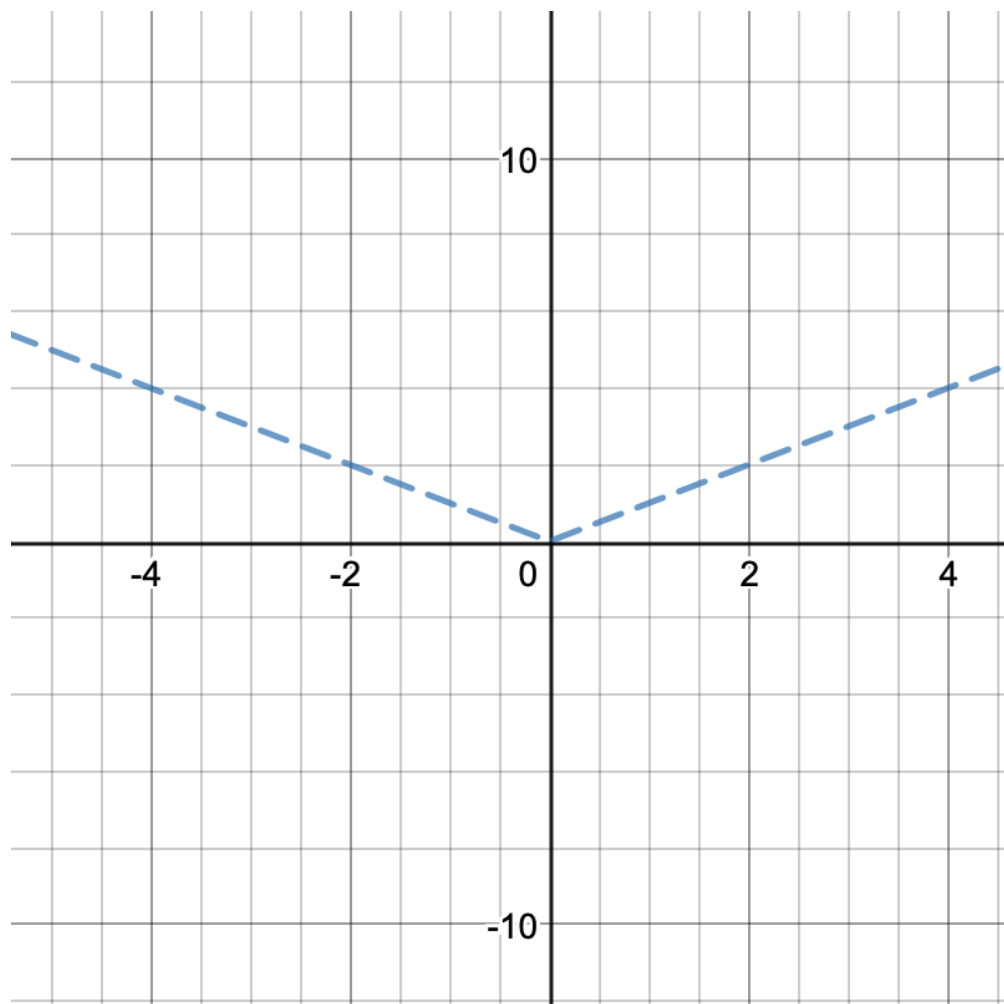
35. $f(x) = \ln(x + 5) - 4$



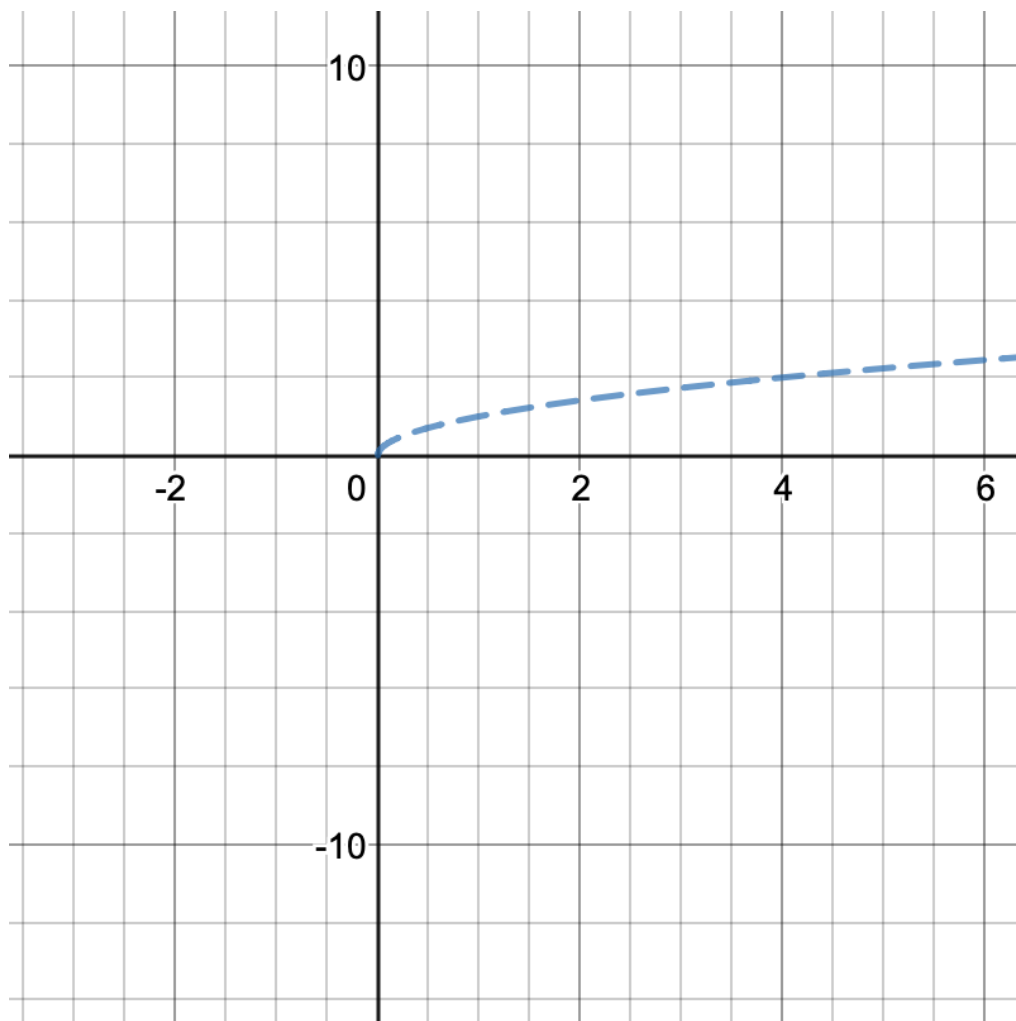
37. $f(x) = (x - 5)^2 + 3$



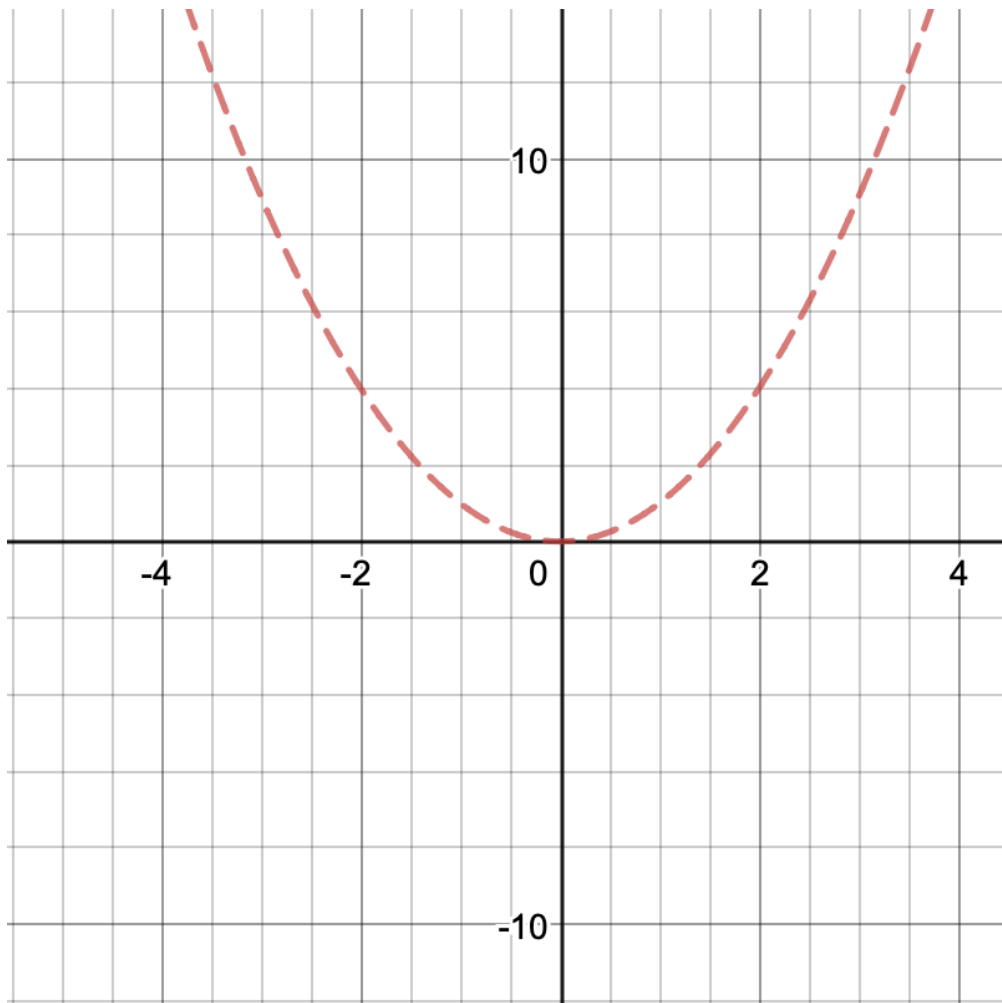
39. $f(x) = |x + 6| - 2$



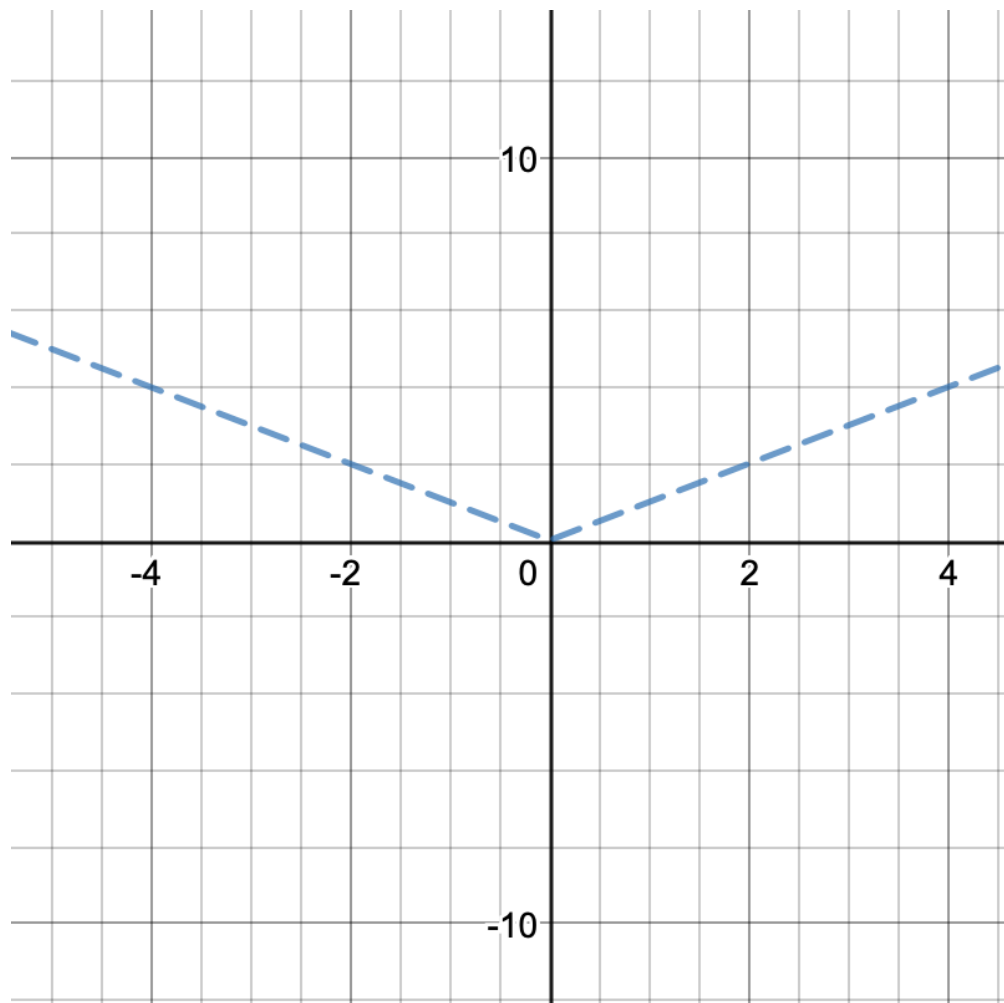
41. $f(x) = \sqrt{x + 5} - 1$



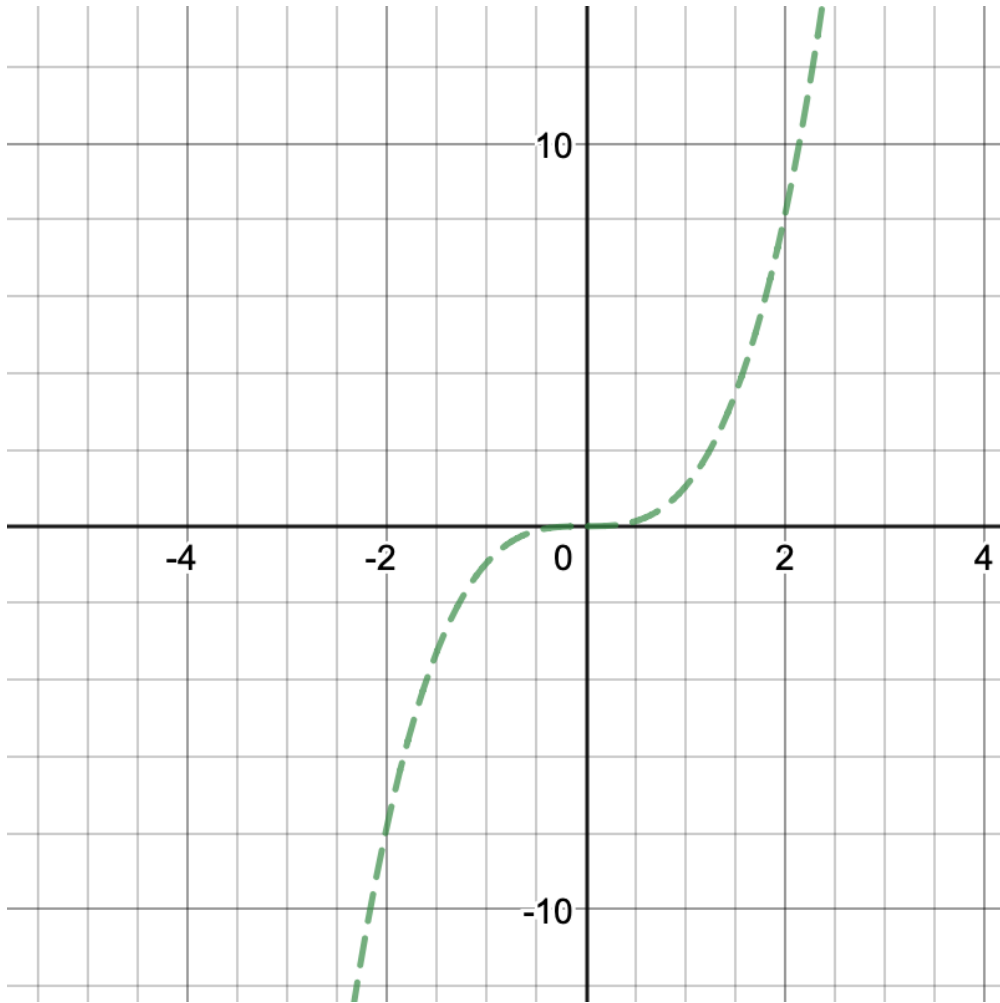
43. $f(x) = -(x - 5)^2$



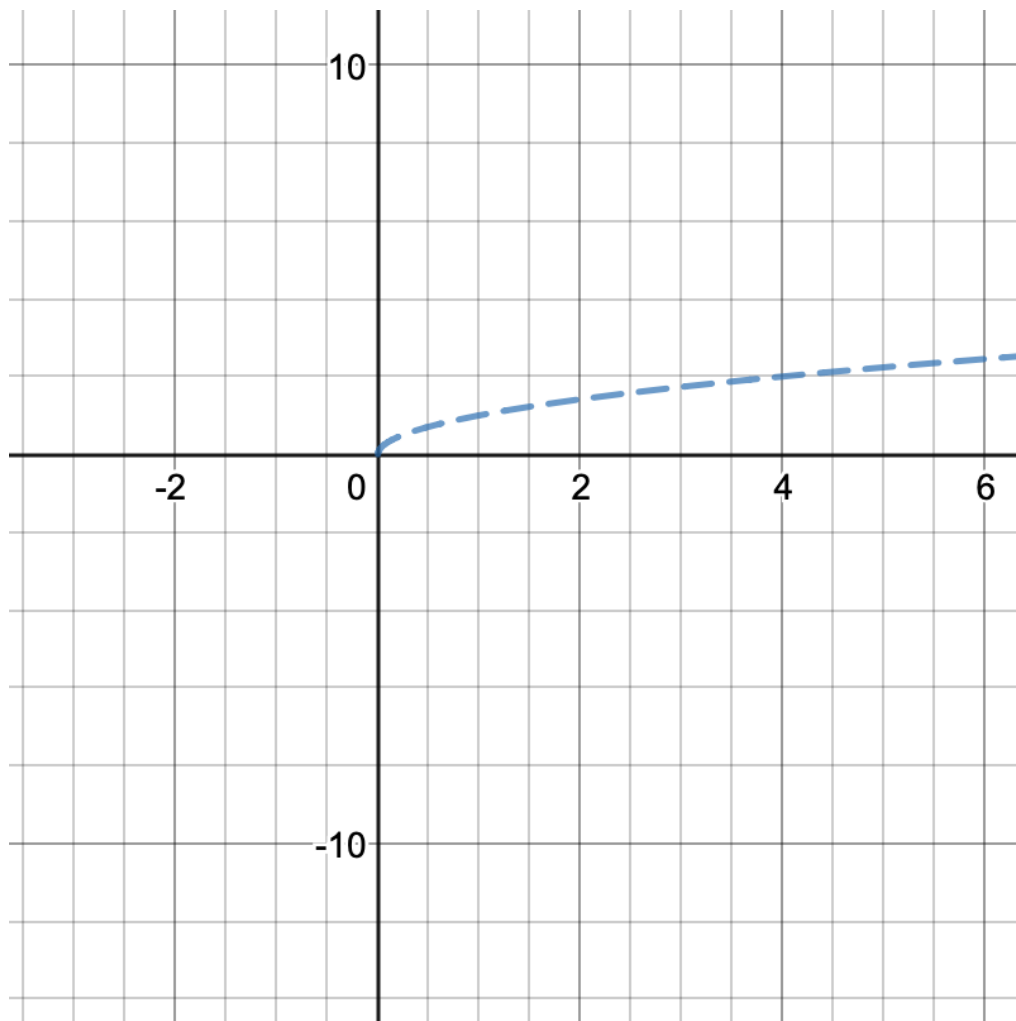
45. $f(x) = -|x + 5| + 3$



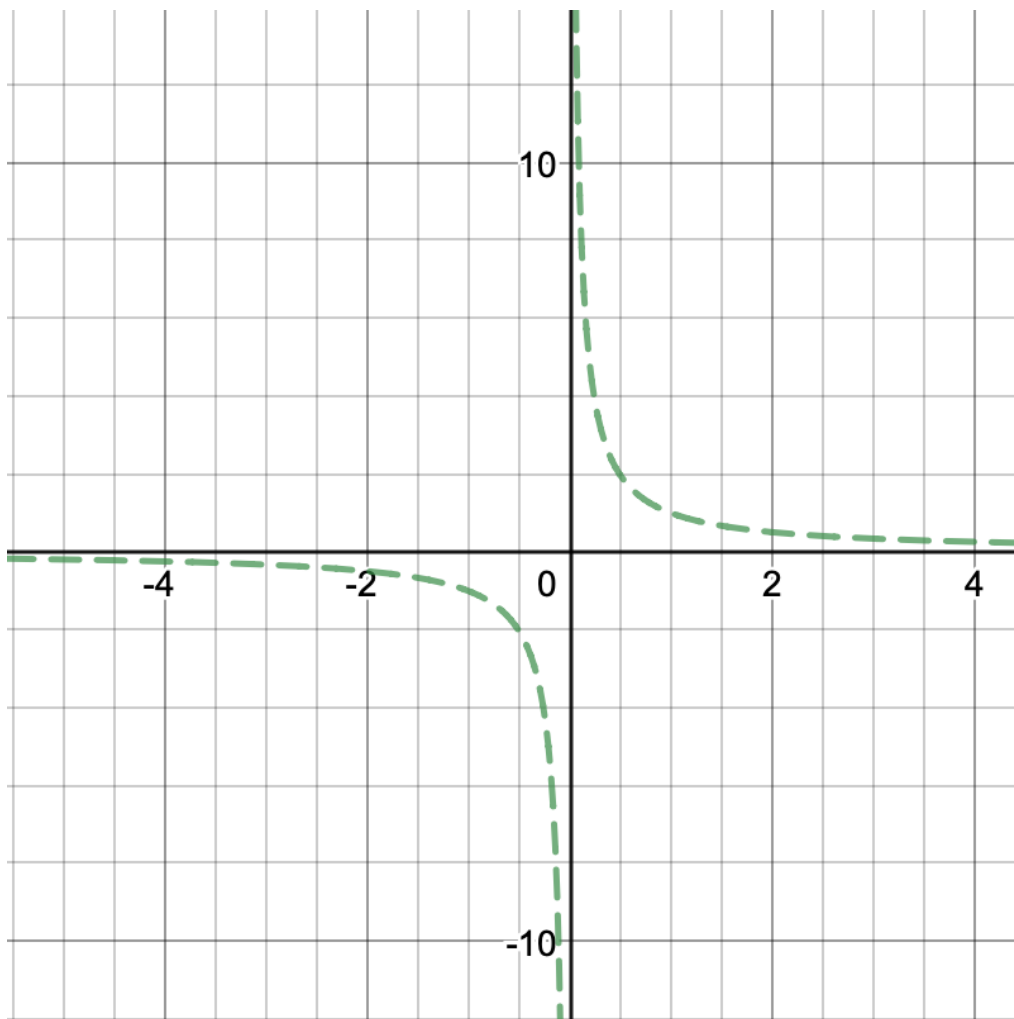
47. $f(x) = -(x - 5)^3 + 1$



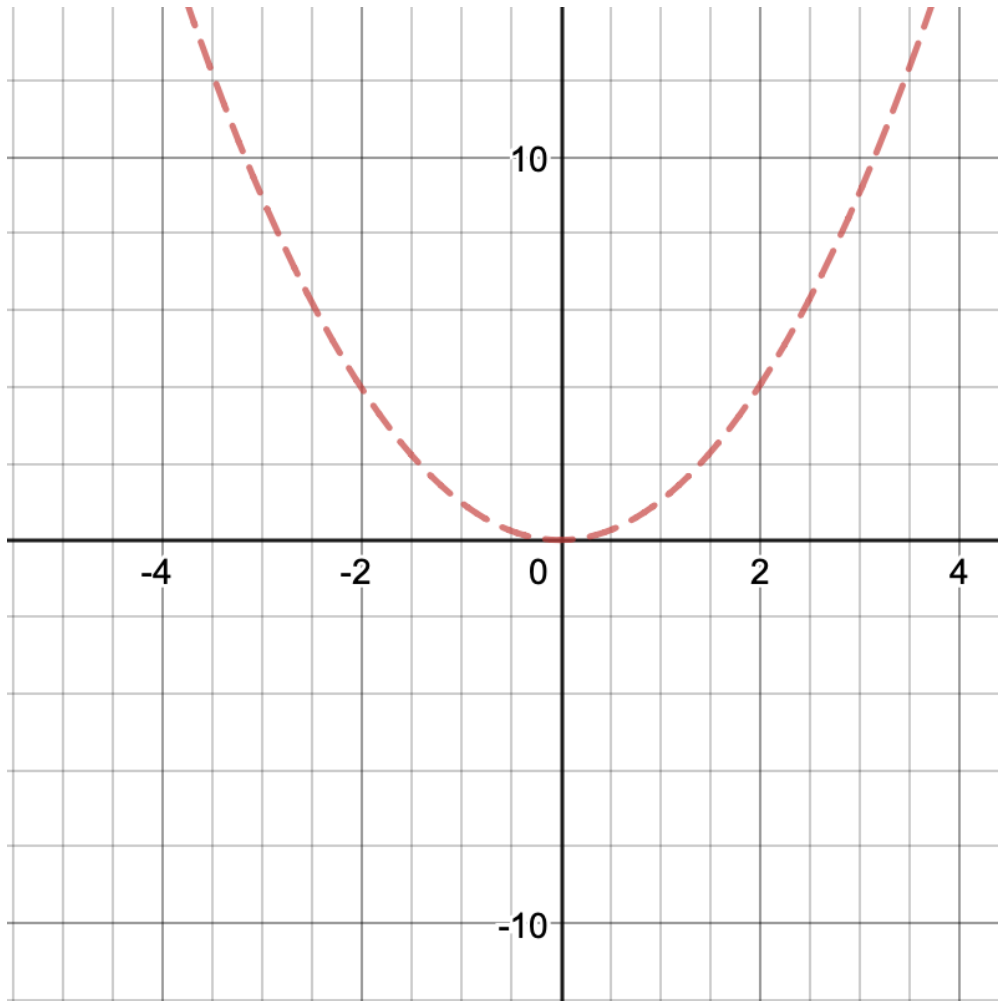
49. $f(x) = -\sqrt{x} - 2$



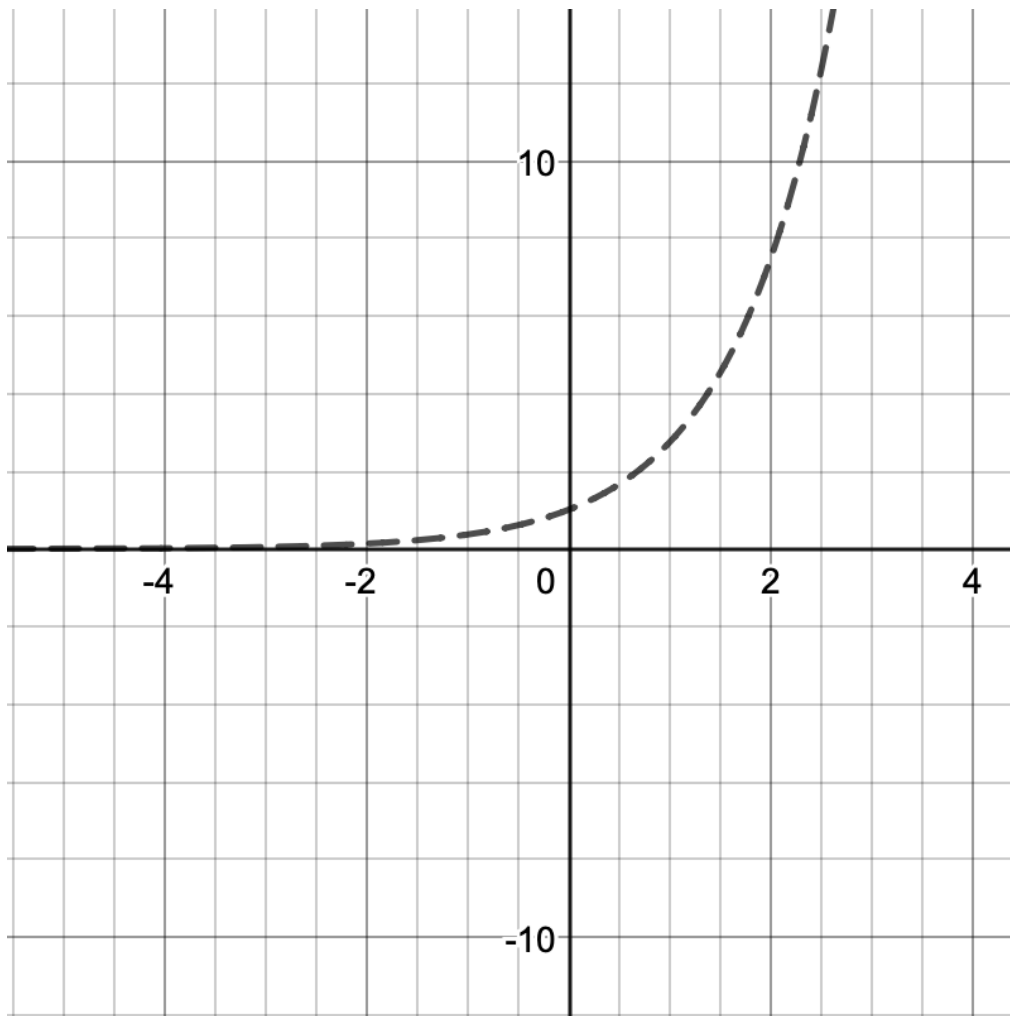
51. $f(x) = -\frac{1}{x-2} + 1$



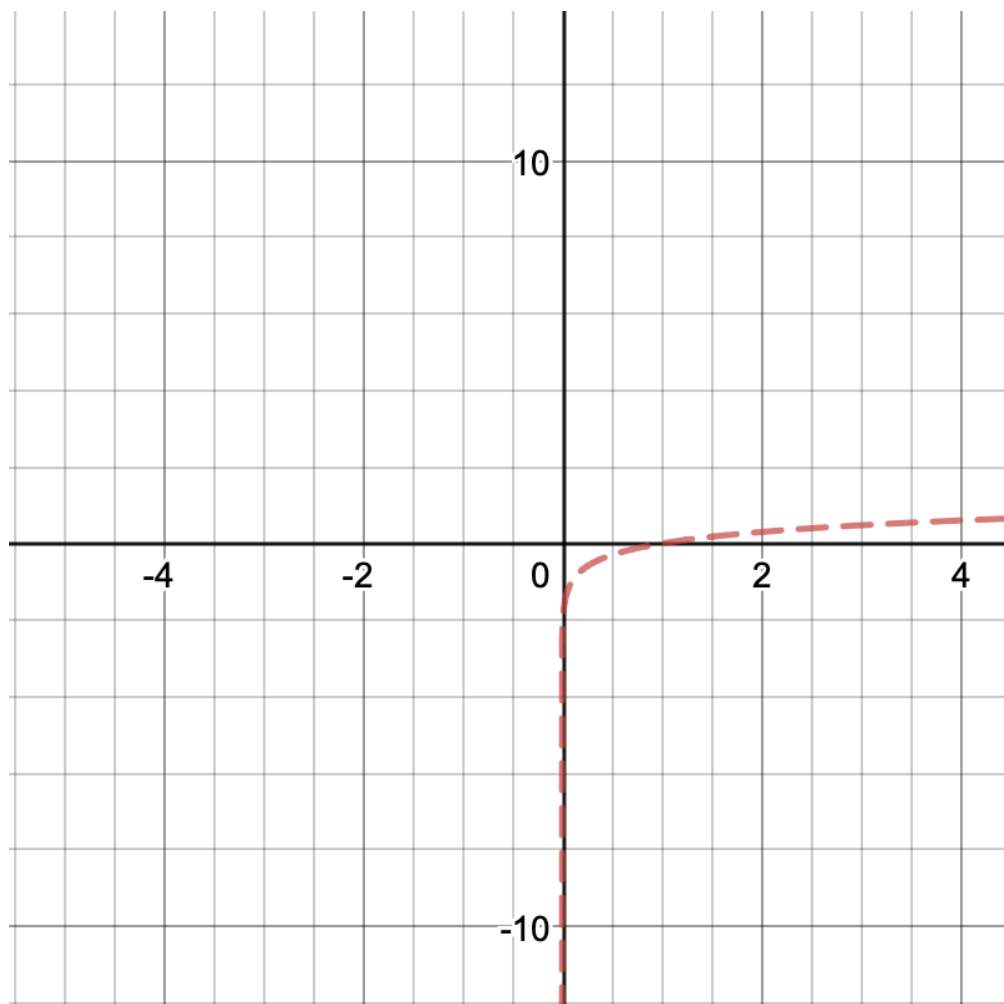
53. $f(x) = -\frac{1}{(x-6)^2}$



55. $f(x) = -e^{x+2} - 4$



57. $f(x) = -\log(x - 4)$



59. $f(x) = -e^x + 4$

