Synthetic Division – Remainder Theorem WS Team Task #2

Names:

Use synthetic division to divide the polynomial.	Is the binomial by which you are dividing a factor of $f(x) = x^3 + x^2 - 17x + 15$?	Use the remainder theorem determine a point on the graph of the function $f(x) = x^3 + x^2 - 17x + 15$
$(x^3 + x^2 - 17x + 15) \div (x + 6)$		
$(x^3 + x^2 - 17x + 15) \div (x + 5)$		
$(x^3 + x^2 - 17x + 15) \div (x + 4)$		
$(x^3 + x^2 - 17x + 15) \div (x + 3)$		
$(x^3 + x^2 - 17x + 15) \div (x + 2)$		
$(x^3 + x^2 - 17x + 15) \div (x + 1)$		

$(x^3 + x^2 - 17x + 15) \div (x - 1)$		
$(x^3 + x^2 - 17x + 15) \div (x - 2)$		
$(x^3 + x^2 - 17x + 15) \div (x - 3)$		
$(x^3 + x^2 - 17x + 15) \div (x - 4)$		
$(x^3 + x^2 - 17x + 15) \div (x - 5)$		

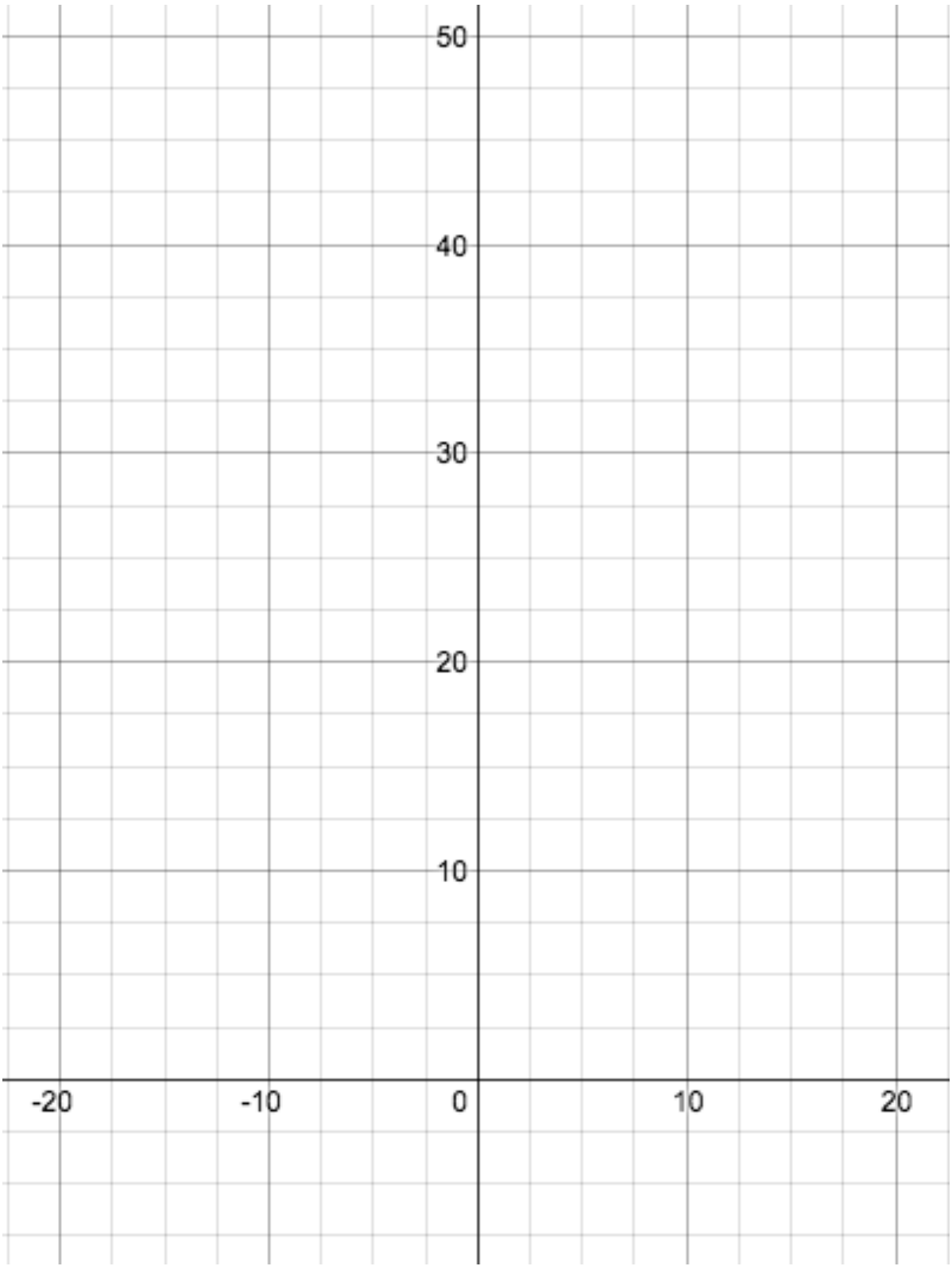

Figure out how to find the maximum and minimum of the graph.