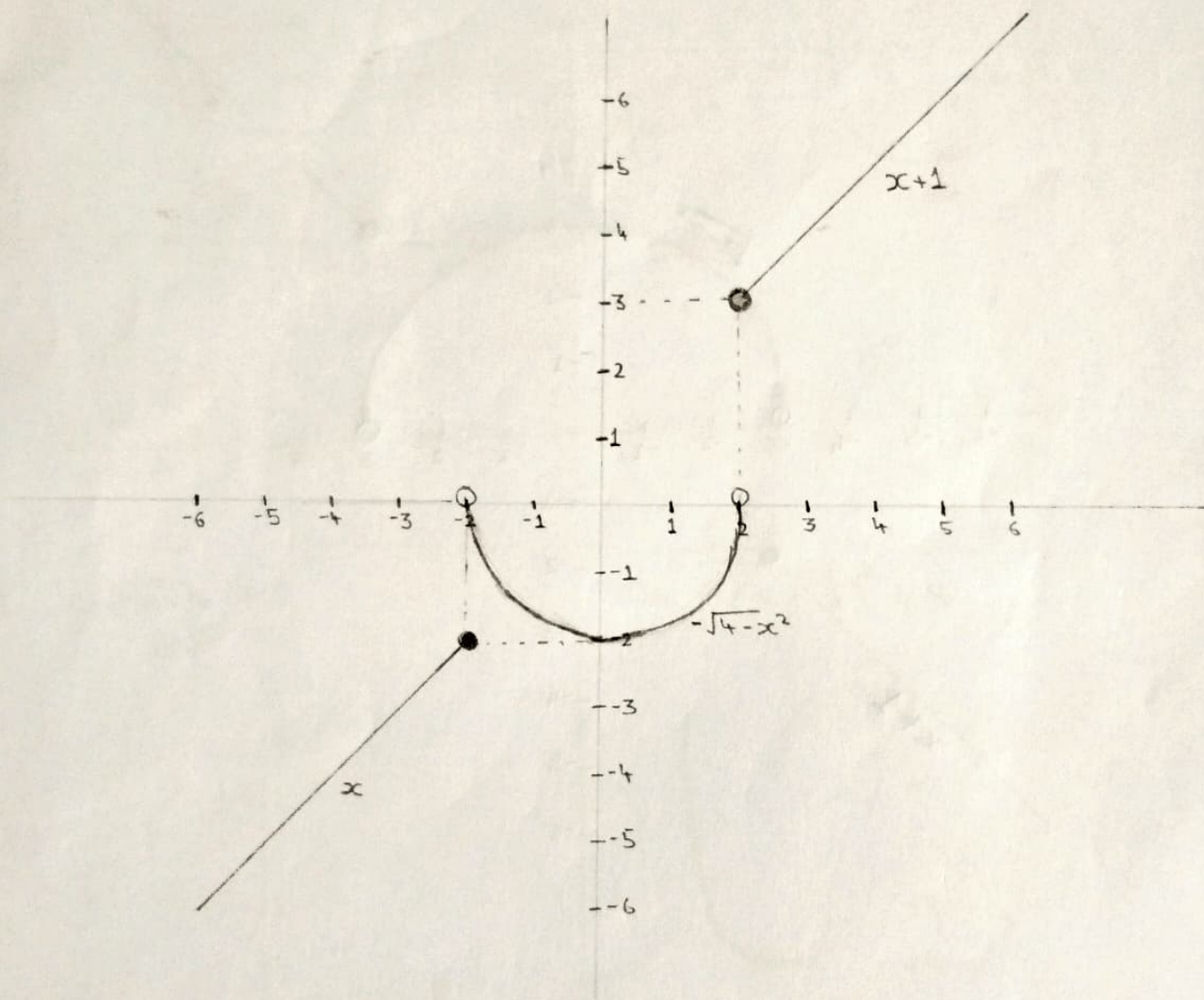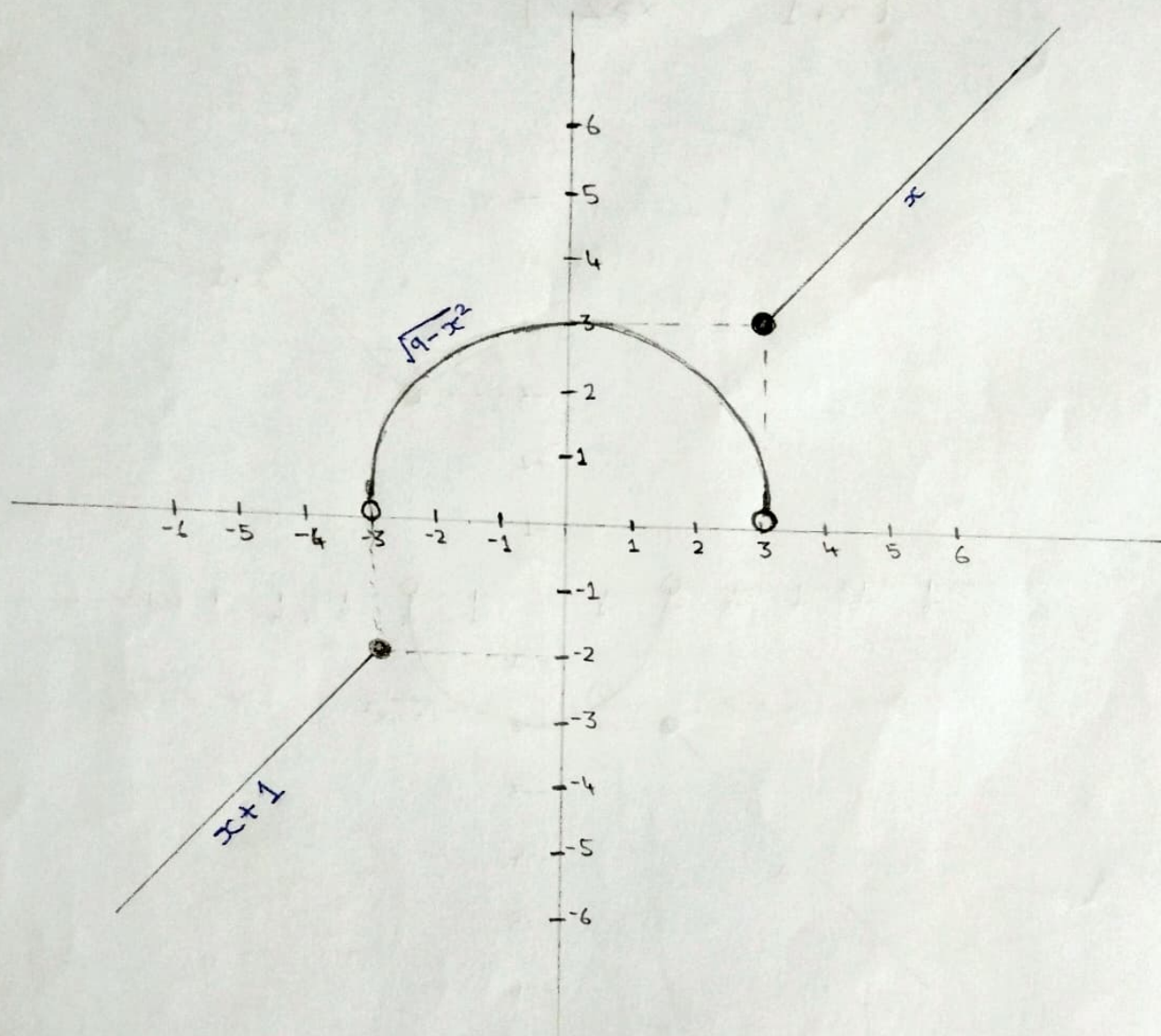Name:- Muhammad Hamzah Iqbal   Registration number:- F24604018

Q1 $y = \begin{cases} x & x \le -2 \\ -\sqrt{4-x^2} & -2 < x < 2 \\ x+1 & x \ge 2 \end{cases}$

Q2
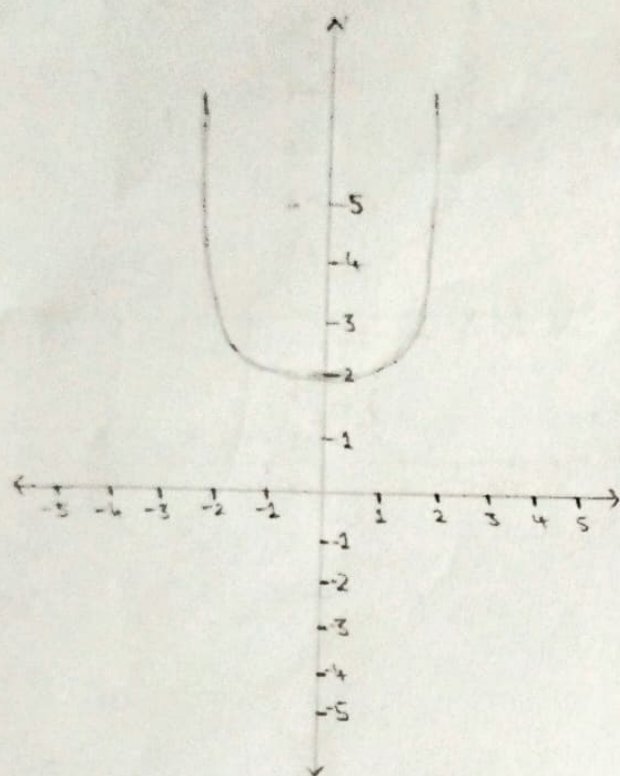
$$y = \begin{cases} x+1 & x \le -3 \\ \sqrt{9-x^2} & -3 < x < 3 \\ x & x \ge 3 \end{cases}$$

Q3 $x^2 + 2$
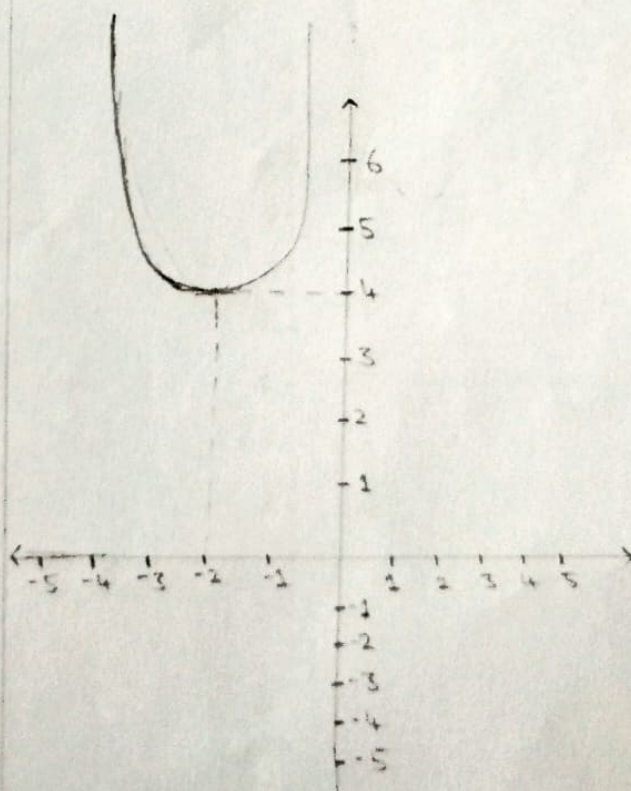

Q4 $x^2 - 2$
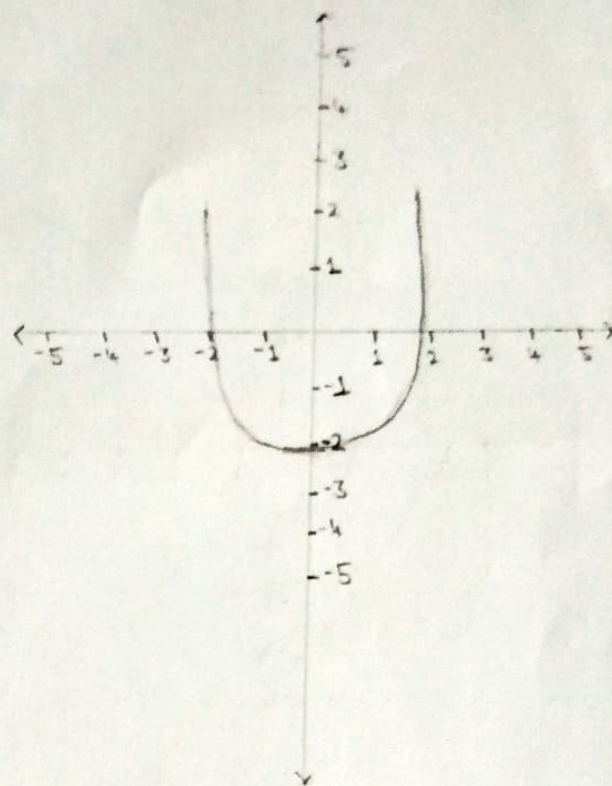
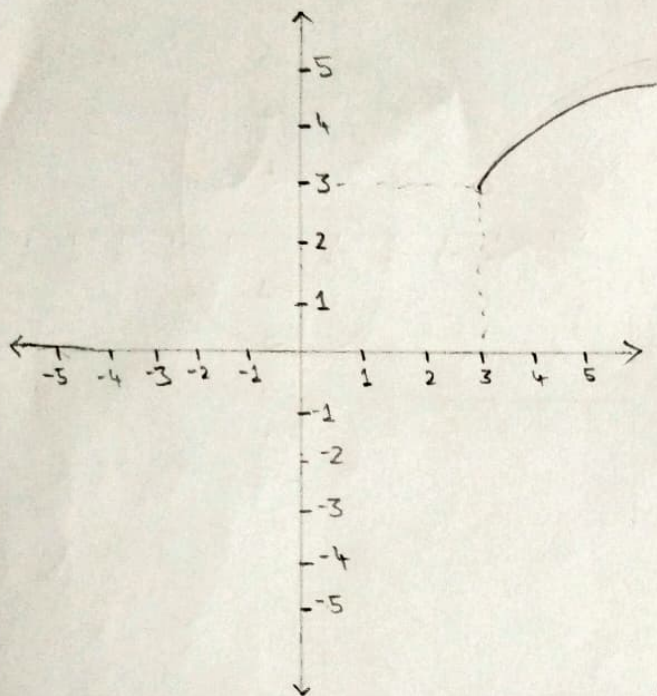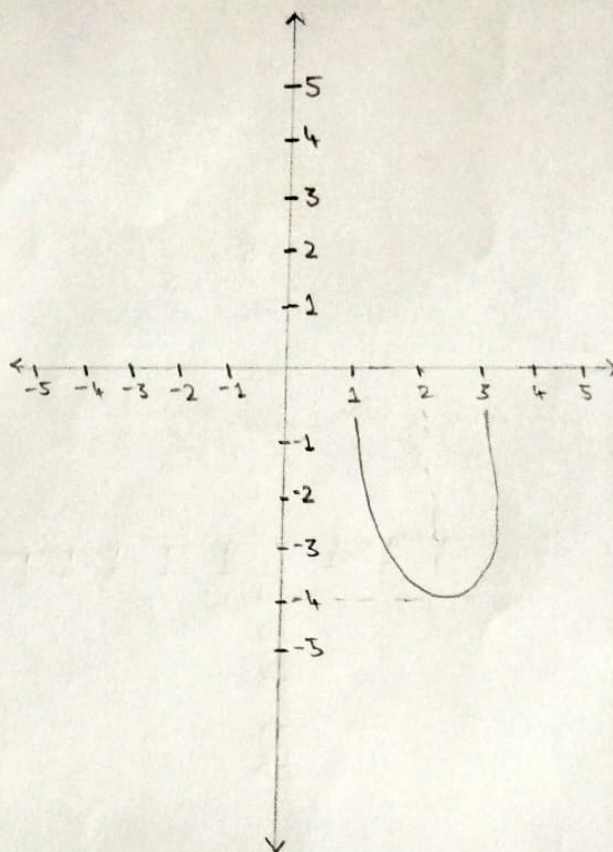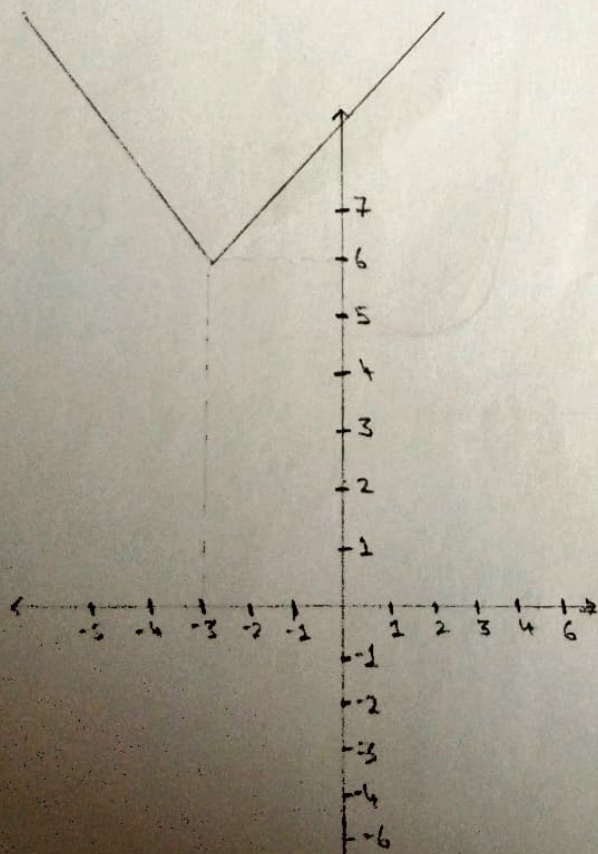
Q5 $\sqrt{x+3} + 2$
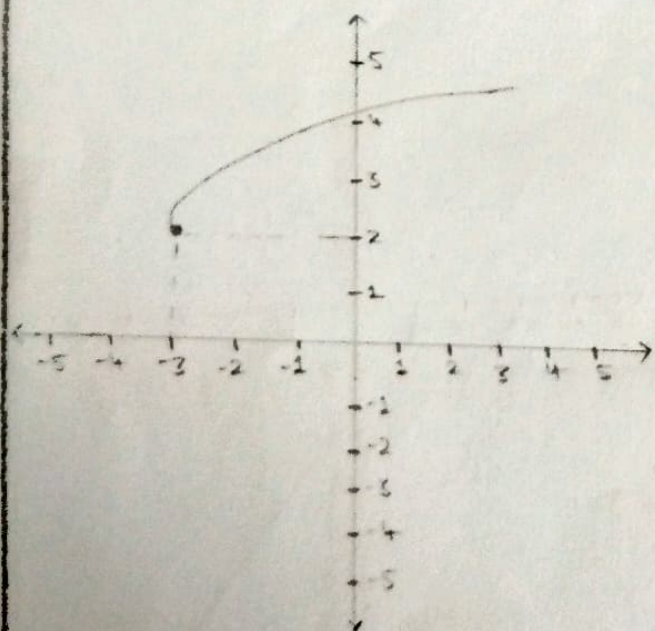
Q6 $(x + 2)^2 + 4$
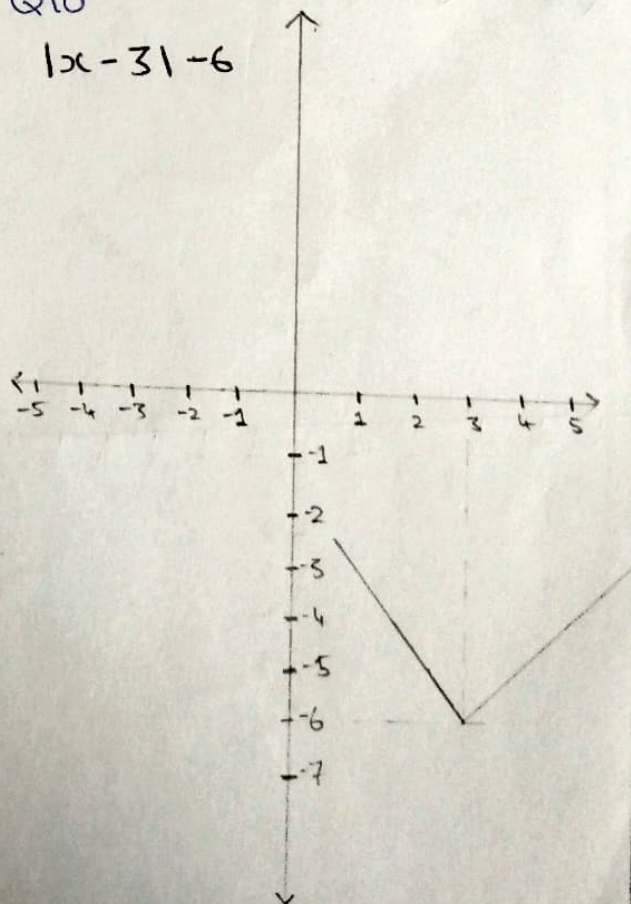
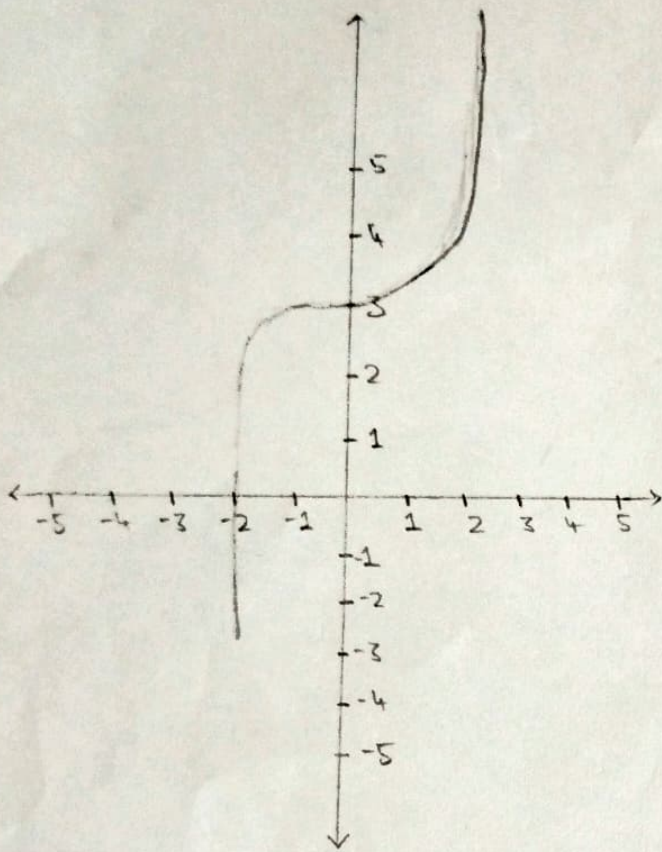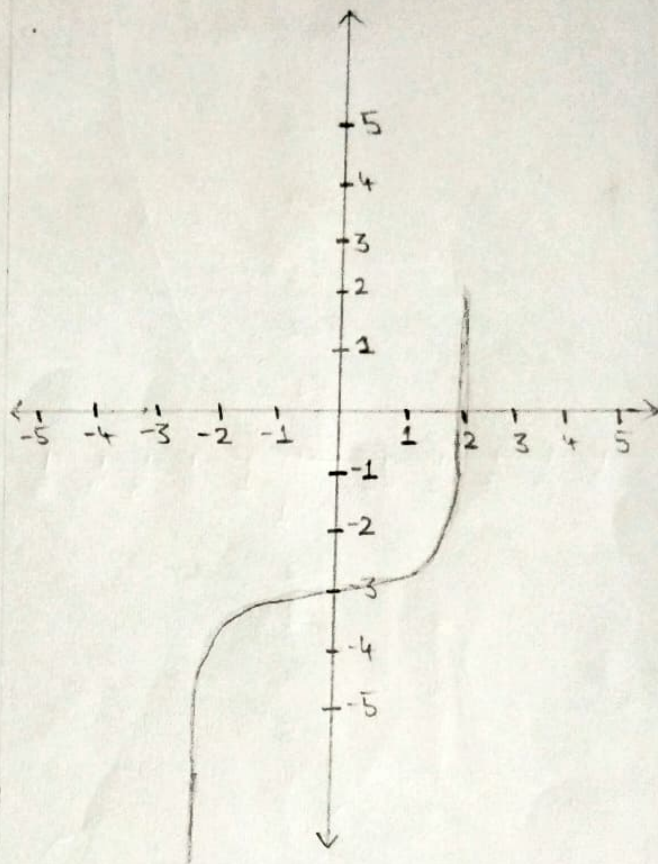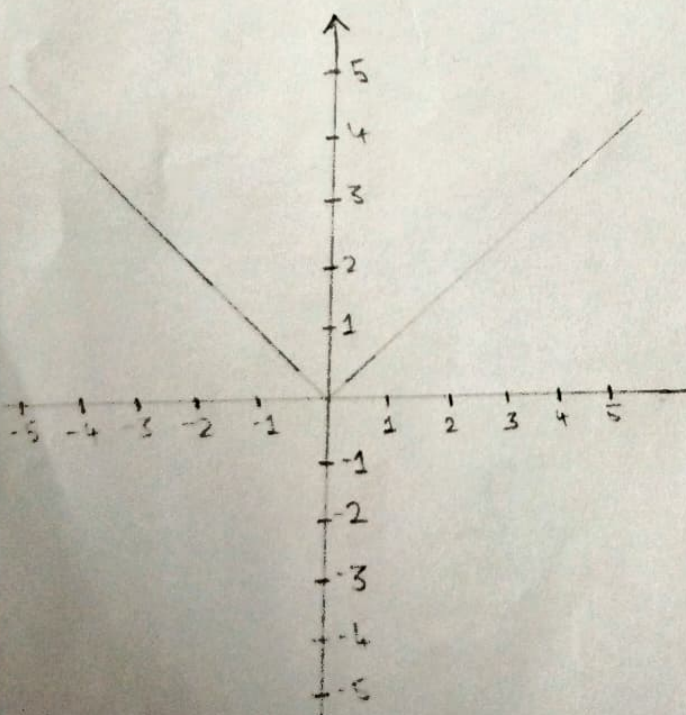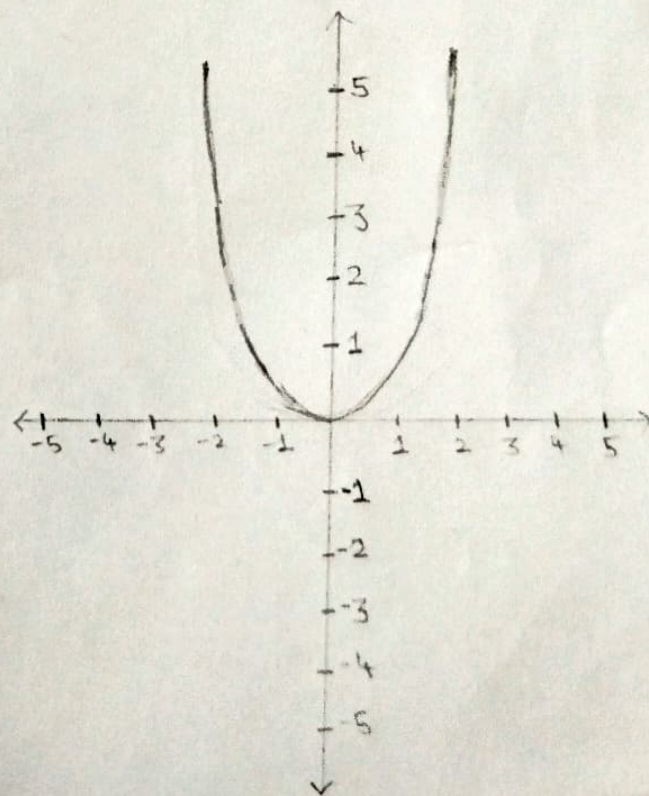Q7 $\sqrt{x-3} + 3$

Q8 $(x-2)^2 - 4$

Q9 $|x+3| + 6$

Q10 $|x-3| - 6$

Q11 $x^3 + 3$

Q12 $x^3 - 3$

Q13 $|x|$

Q14 x^2

Q15 x^3