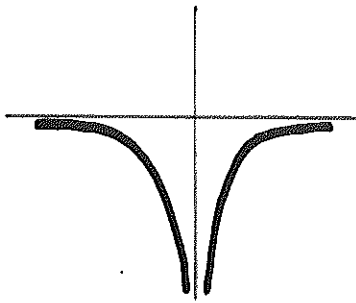


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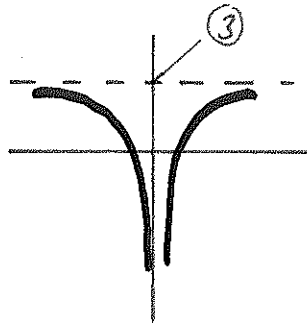
1i) 1

ii) $\frac{1}{3}$

2i)



ii)



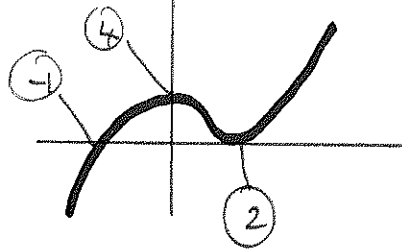
iii) $y = -\frac{2}{x^2}$

3i) $9 - 3\sqrt{5}$

ii) $2\sqrt{2}$

4i) $x^3 - 3x^2 + 4$

ii)



5) $x = \pm \frac{1}{2}$

6) $\frac{13}{8}$

7) $(\frac{16}{3}, \frac{1}{3})$ $(-4, 5)$

8) i) $2(x + \frac{5}{4})^2 - \frac{25}{8}$

ii) $(-\frac{5}{4}, -\frac{25}{8})$

iii) $x = -\frac{5}{4}$

iv) $x < -\frac{5}{2}$ $x > 0$

9i) $p = -6, q = 1$

ii) $r = \sqrt{29}$

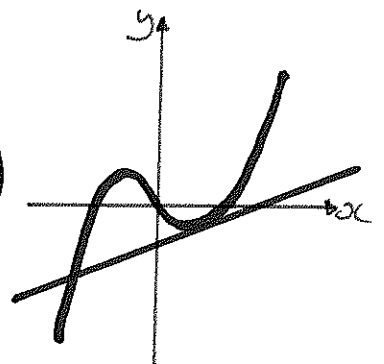
iii) $x^2 + y^2 + 2x - 6y - 19 = 0$

iv) $y = -\frac{5}{2}x + 15$

10i) $(\frac{1}{3}, -\frac{19}{27})$ $(-2, 12)$

ii) $-2 < x < \frac{1}{3}$

iv)



iii) Show