$f(x) = -4x^4 - 4x^2 - 4x - 4$;

$x = -3, 2, -4, 7$

$(A+b)^4$

$$m = \lim_{h} \frac{f(c+h) - f(c)}{h}$$

$$m = \lim \frac{[-4(c+h)^4 - 4(c+h)^2 - 4(c+h) - 4] - [-4c^4 - 4c^2 - 4c - 4]}{4h}$$

$h \to 0$

$$= \lim \frac{[-4c^4 + 4(c^2h) + 4(ch^2) + h^4 + 4(c^2 + 2ch + h^2) - 4c + 4h - 4] - [-4c^4 - 4c^2 - 4c - 4]}{h}$$

$h \to 0$

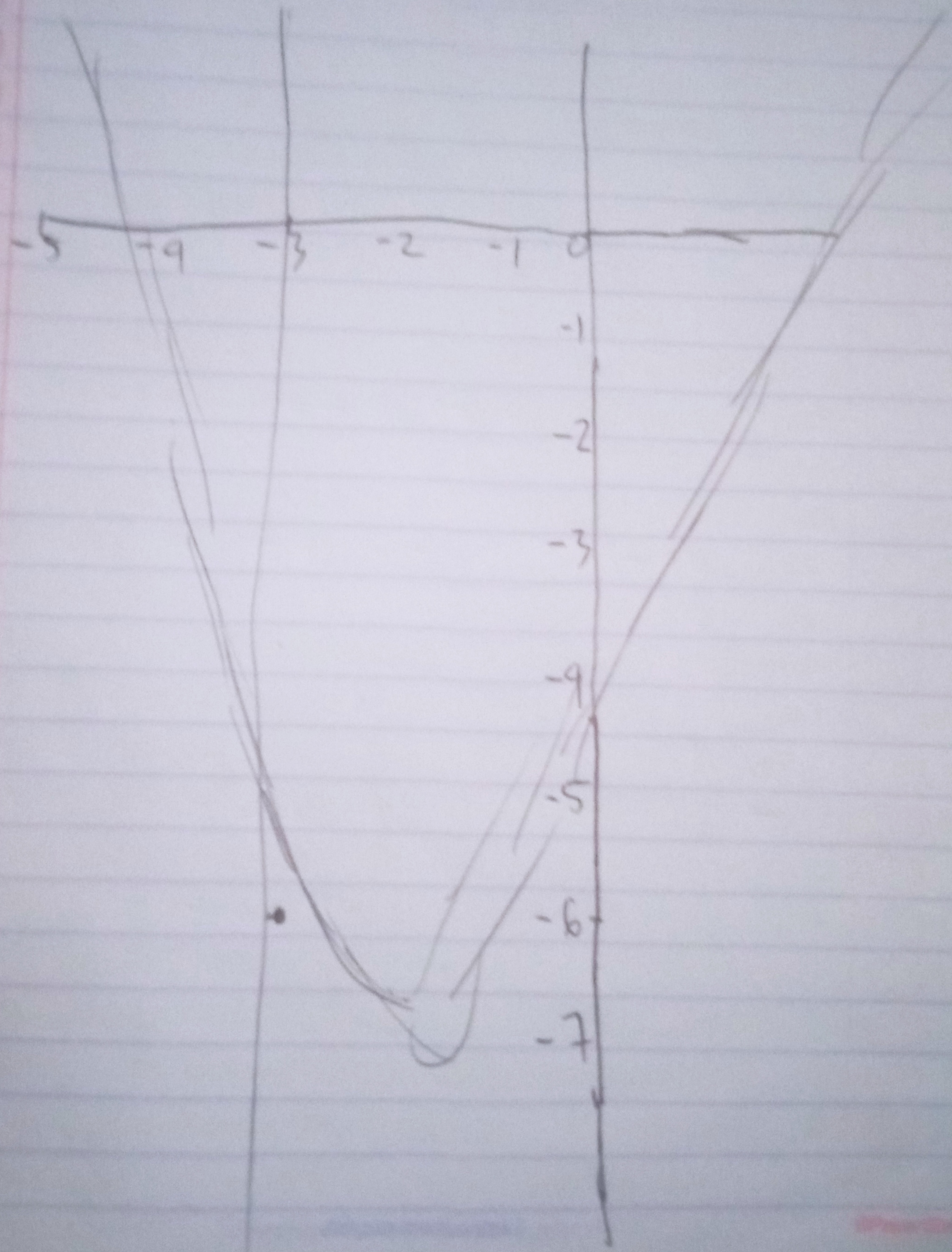
$$= \lim \frac{[-4c^4 - 4c^2h - 4ch^2 - h^4 - 4c^2 - 4ch]}{h}$$

1

1 1

1 2 1 $(-4a^2 - 4ab - 4b^2)$

1 3 3 1 $(-4a^4 - 4a^2b - 4ab^2 - b^4)$


-5
-4
-3
-2
-1
0
-1
-2
-3
-4
-5
-6
-7