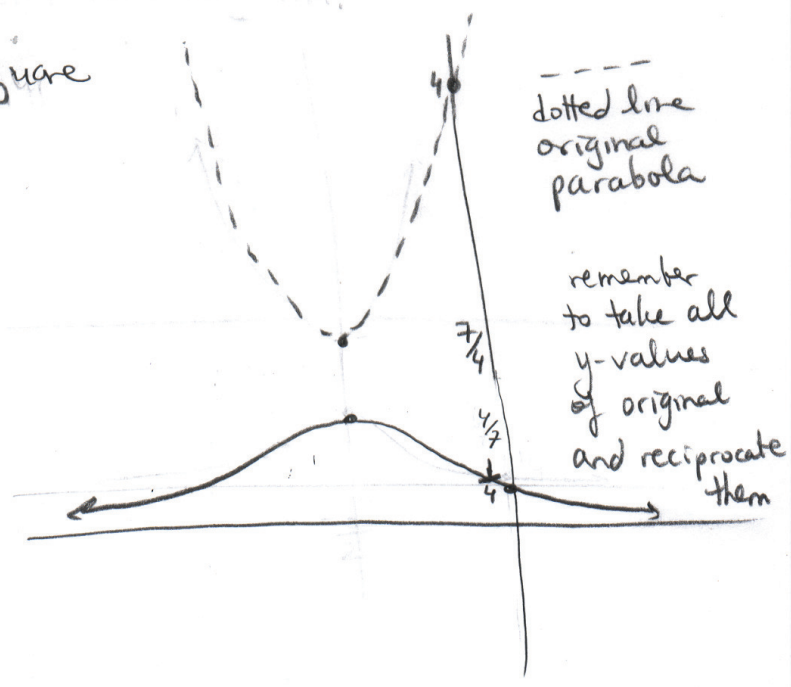


1 (h) $y = \frac{1}{x^2 + 3x + 4}$

$y = \frac{1}{(x + \frac{3}{2})^2 + \frac{7}{4}}$ complete square

- x-int N/A
- y-int $\frac{1}{4}$
- V.A N/A
- H.A $y = 0$

+/- chart - not needed since always positive.



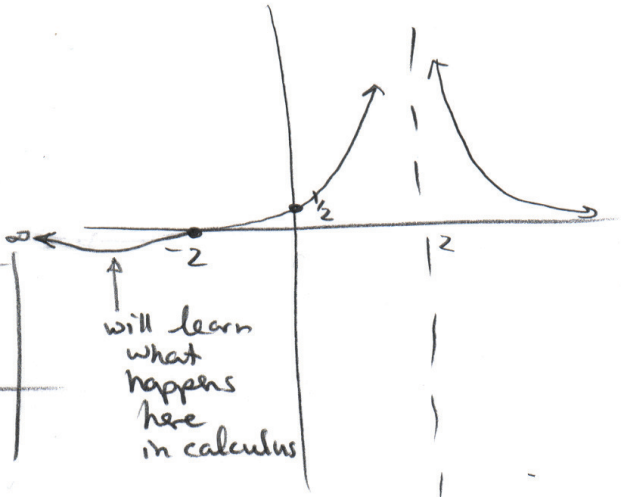
2 (i) $y = \frac{x+2}{x^2 - 4x + 4}$

$y = \frac{x+2}{(x-2)(x-2)}$ Factor

- x-int -2
- y-int $\frac{1}{2}$
- V.A 2
- H.A $y = 0$

+/- chart

	$-\infty$	-2	2	∞
$x+2$		-	+	+
$(x-2)^2$		+	+	+
		-	+	+



3 (j) $y = \frac{2x-3}{x+6}$

- x-int $\frac{3}{2}$
- y-int $-\frac{1}{2}$
- V.A -6
- H.A $y = \frac{2}{1}$

+/- chart:

	$-\infty$	-6	$\frac{3}{2}$	∞
$2x-3$		-	-	+
$x+6$		-	+	+
		+	-	+

