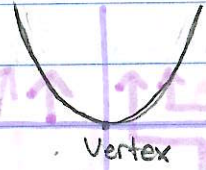
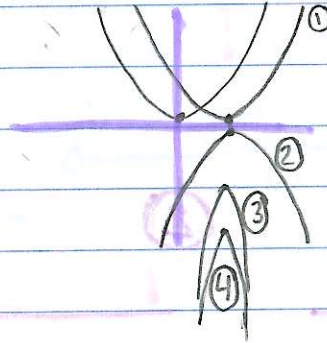


Transforming Quadratics

- the function $f(x) = x^2$
Looks like:

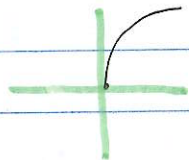


1. Reflect Vertically ②
- Stretch Vertically ③
- Translate Right 3 ①
- Translate Down 5 ④



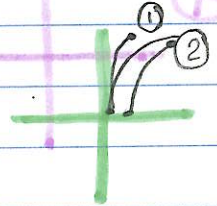
Transforming Radicals

$f(x) = \sqrt{x}$



Ex. 4:

$g(x) = \sqrt{2x-1}$ ① HS $\times \frac{1}{2}$
 $g(x) = \sqrt{2(x-\frac{1}{2})}$ ② HT 0.5R



$g(x) = -\frac{1}{2}\sqrt{6(x+2)+9}$ Ex. 10:

- ③ VR ② HT 2L
- ④ VS $\times \frac{1}{2}$ ⑤ VT 9U
- ① HS $\times \frac{1}{6}$

