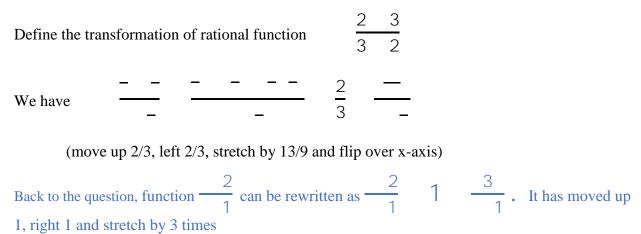
## 2. Transformation

The transformation of any given function in its vertex form

where |a|

Example 3



## 3. Inverse

Derive from vertex form

where |a| indicate a quantity of vertical dilate, |b| horizontal dilate

k indicates quantity of vertical translate, h horizontal translate a < 0 horizontal reflection and b < 0 vertical reflection

| The inverse function can be found by just doing some switching | <b>b</b> and | K |
|--|--------------|---|
|--|--------------|---|

1

1

1 1 1

where |a| indicate of **horizontal** dilate, |b| vertical dilate

k indicates a quantity of horizontal translate, h vertical translate

1

a < 0 horizontal reflection and b < 0 vertical reflection

Example 2