**Quadratic Functions:**

**Translation/ Changing:**

y=a[b(x-c)]2+ d

1. (B) Dilated parallel to the x-axis, scale factor 1/b

* (reflected in the y-axis if ‘b’ is negative)

1. (C) Translated c units

* (if c is negative, translated left)

1. (A) Dilated parallel to the y-axis, scale factor *a*

* (reflected in x-axis if ‘a’ is negative)

1. (D) Translated vertically upwards *d* units

* (if d is negative, translated downwards)