Translations
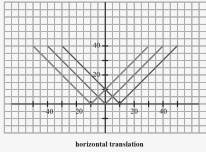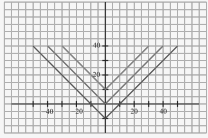
Vertical -- added value does not affect input	Horizontal -- added value affect input
f(x) = |x|+10 shifts UP	f(x) = |x+10| shifts LEFT
f(x) = |x|-10 shifts DOWN	f(x) = |x-10| shifts RIGHT

Translations (visual)

vertical translation   horizontal translation

Stretches & Shrinks

Stretches	Shrinks