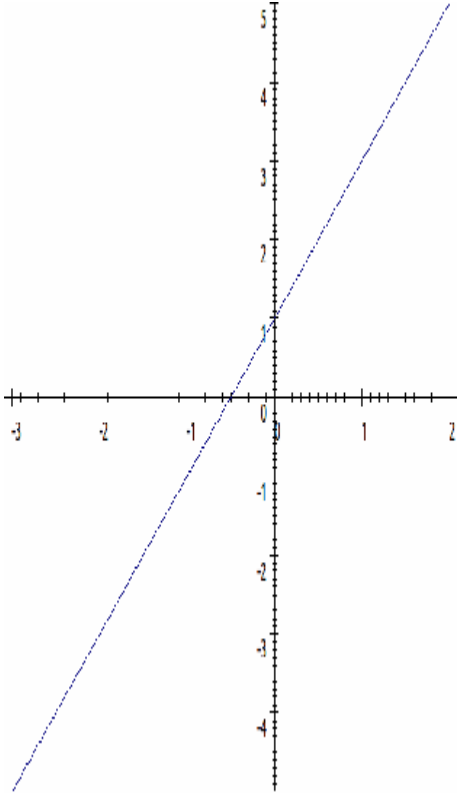
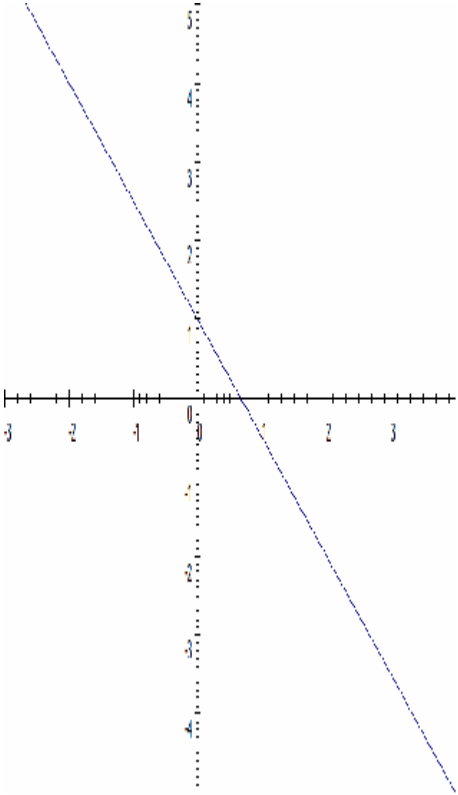
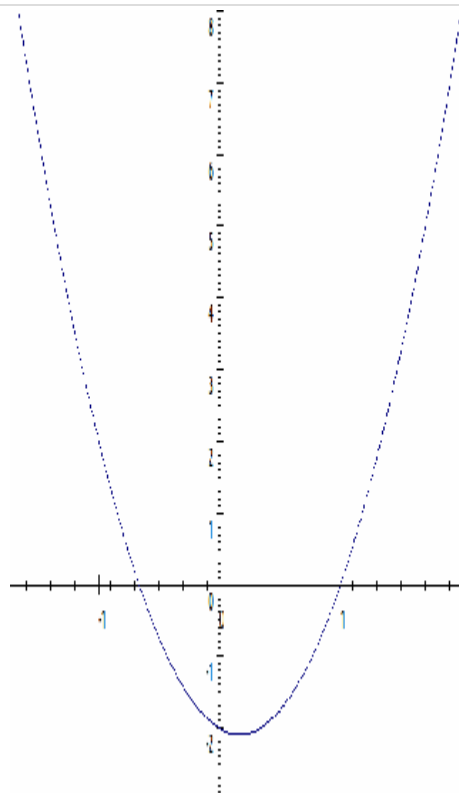


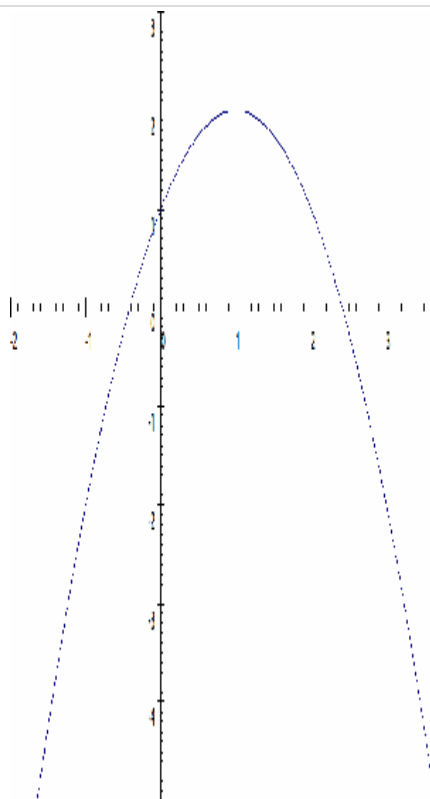
## Differennt Types of Graph

Not all graphs are straight lines or quadratic (such as  $y=x^2+3x-2$ ) graphs. Other common graphs are shown below.

Graph	Equation
	$y=2x+1$ <p>Positive gradient of 2 and a <math>y</math> – intercept of 1.</p>
	$y=-2x+1$ <p>Negative gradient of -2 and a <math>y</math> – intercept of 1.</p>

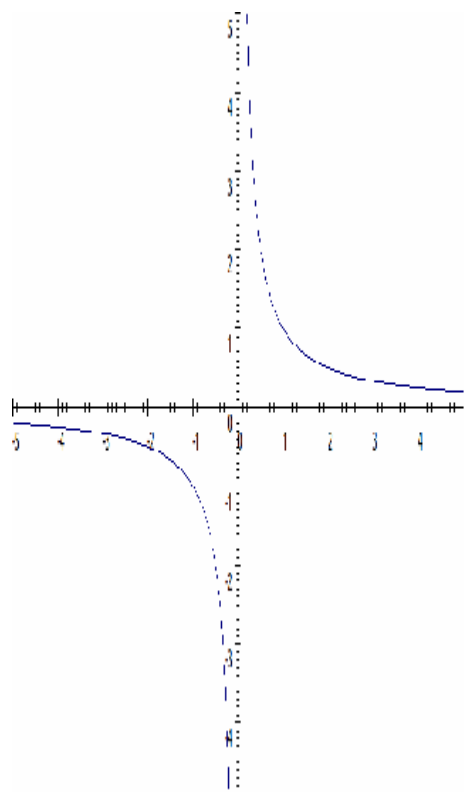


'Happy' quadratic with equation  $y=3x^2-x-2$ .

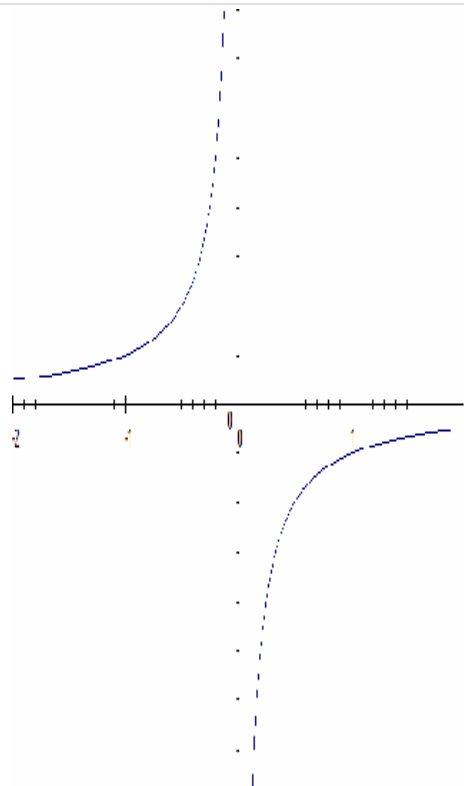


'Sad' Quadratic curve with equation  $y=-x^2+2x+1$ .

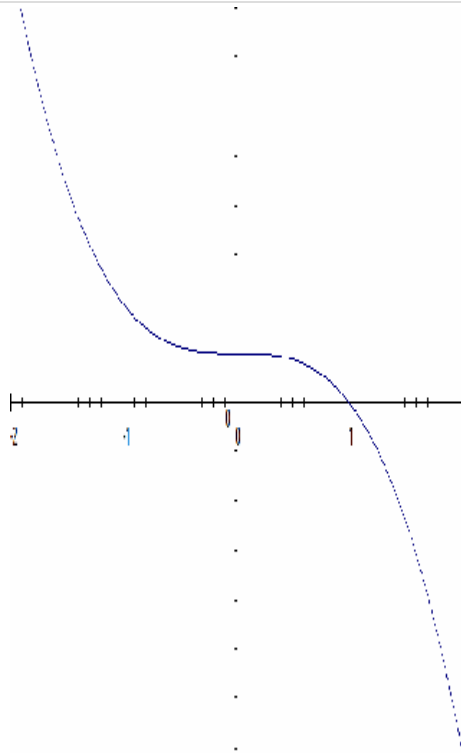
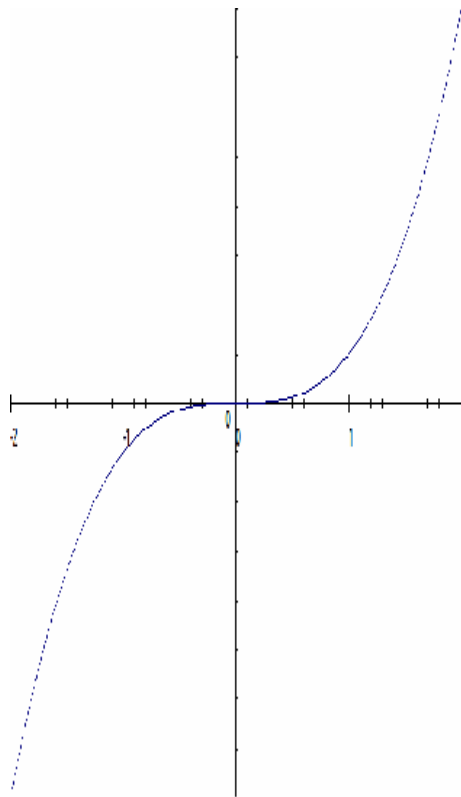
Reciprocal curve with equation  $y=\frac{1}{x}$ .



Reciprocal Curve with equation  $y = -\frac{1}{x}$ .



Cubic curve with equation  $y = x^3$ . Graph increasing towards infinity as  $x$  increases.



Downward sloping cubic with equation  $y = -x^3 + 1$ .