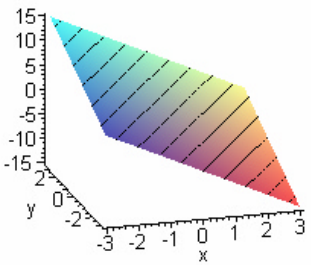
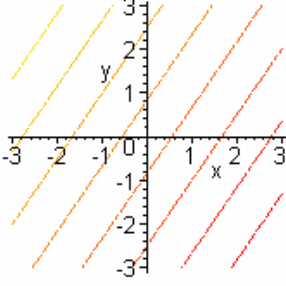
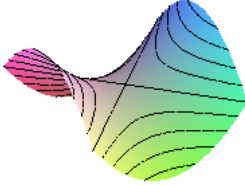
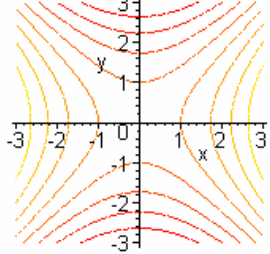
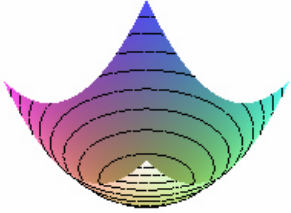
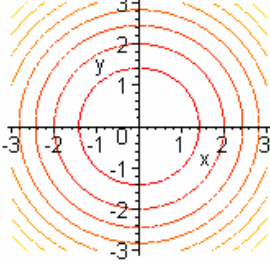
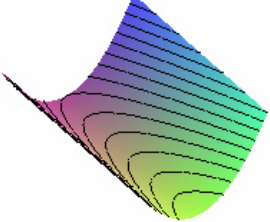
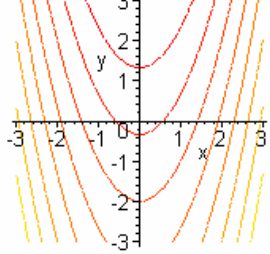
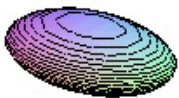
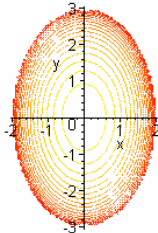

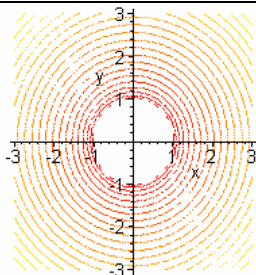
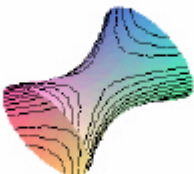
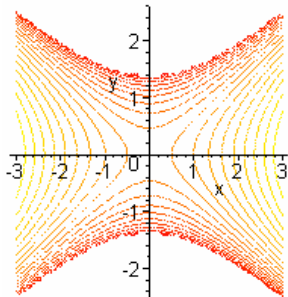
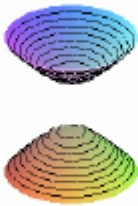
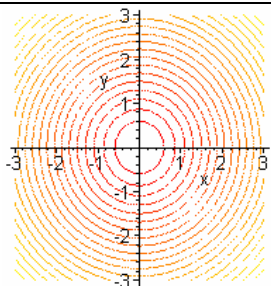


Special Surfaces and Their Level Curves

<p>Plane</p>		
	$z = -3x + 2y$	$-3x + 2y = c$
<p>Hyperbolic Paraboloid, Or Saddle</p>		
	$z = x^2 - y^2$	$x^2 - y^2 = c$
<p>Circular Paraboloid</p>		
	$z = x^2 + y^2$	$x^2 + y^2 = c$
<p>Parabolic Cylinder</p>		
	$z = -x^2 + y$	$-x^2 + y = c$

Special Surfaces and Their Level Curves

Ellipsoid		
	$\frac{x^2}{4} + \frac{y^2}{9} + z^2 = 1$	$\frac{x^2}{4} + \frac{y^2}{9} = 1 - c^2$
Hyperboloid of One Sheet		
	$x^2 + y^2 - z^2 = 1$	$x^2 + y^2 = 1 + c^2$
Hyperboloid of One Sheet		
	$\frac{x^2}{4} - \frac{y^2}{2} + z^2 = 1$	$\frac{x^2}{4} - \frac{y^2}{2} = 1 - c^2$
Hyperboloid of Two Sheets		
	$-x^2 - y^2 + z^2 = 1$	$x^2 + y^2 = c^2 - 1$