Remember conic sections? You now know how to find their derivatives! Just use implicit differentiation!

Find the derivative of the conic sections below using implicit differentiation.

1)
$$x^2 + 4y^2 = 16$$





2)
$$y^2 - 9x^2 = 4$$



3)
$$(x-2)^2 + (y+4)^2 = 9$$



4)
$$2x^2 + 4x - y^2 + 2y - 7 = 0$$

