Implicit Differentiation.notebook

Implicit Differentiation
• useful for finding derivatives when y is
not defined explicitly in terms of x.
ex.1 Find dry for the relation
$$x^2 + y^2 = 16$$

Differentiate both sides of the egn what x
 $x^2 + y^2 = 16$
 $dx dr' + ay dr = 0$
 $ay dr = -ax$
 $dr' =$

J