

**Math 305**

**Section 2.2** Solutions to Separable Equations

**Definition** Equations of the form  $\frac{dy}{dt} = \frac{g(t)}{h(y)}$  or  $\frac{dy}{dt} = g(t)f(y)$  are called separable equations.

**Definition** An explicit solution is one in which we have a formula as a function of the independent variable.