Worksheet for the Second – Order Taylor Method

Initial Value Problem:

$$\frac{dy}{dx} = y() = y'' = y''$$

$$step\ size:\ h =$$

$$\frac{1}{2}h^2 =$$

x_n	y_n	y'	y"	hy'	$\frac{1}{2}h^2y''$	Δy

$$\Delta y = hy' + \frac{1}{2}h^2y''$$