**Differential Equations**

Process is…

1. Prepare for integrating by rearranging to get all *x* terms and *y* terms on separate sides
2. Integrate both sides
3. Combine the *c*’s and rearrange into format THIS IS THE GENERAL SOLUTION
4. Use the coordinate given to find THE PARTICULAR SOLUTION

E.G. (Ex11E Qu2i)

Find the particular solution…

Rearrange

Integrate both sides

Note that

…continues

Combine and rearrange

 THIS IS THE GENERAL SOLUTION

Use coordinate to find particular solution

 THIS IS THE PARTICULAR SOLUTION (any of these formats)