

Sec	Probs
3.1	#s 4, 7, 8, 13, 14, 26, 30, 33, 34 and read intro to #s 35, 36
3.2	<p>#s 1, 4, 8, 13, 14, 17, 20<sup>1</sup>, 23, 24, 27 – 30<sup>2</sup>, 31, 32<sup>3</sup>, 37, 54</p> <p><sup>1</sup> <math>\left. \frac{dy}{dx} \right _{x=\sqrt{3}}</math> means find <math>f'(\sqrt{3})</math></p> <p><sup>2</sup>Like when we plotted <math>x^2</math> and <math>2x</math> on the same set of coordinate axes.</p> <p><sup>3</sup>#32 is like your first differential equation. Condition (ii) is an “initial condition” that gives a <i>unique</i> solution to an equation that would otherwise have infinitely many solutions.</p>
3.3	#s 1, 4, 7, 10, 14, 17, 20, 30, 33, 42abc, 43, 44, 45, 51, 56, 58
3.4	
3.5	
3.6	