

11		<p>Suppose <math>x + y</math> is rational</p> <p>So <math>x + y = \frac{p}{q}</math>, where <math>p</math> and <math>q</math> are integers</p> <p><math>\Rightarrow x = \frac{p}{q} - \frac{m}{n} = \frac{(pn - mq)}{qn}</math> which is rational</p> <p><math>x</math> is irrational so this is a contradiction</p>	<p><b>E1</b></p> <p><b>B1</b></p> <p><b>B1</b></p> <p><b>E1</b></p> <p><b>[4]</b></p>	<p><b>2.1</b></p> <p><b>2.1</b></p> <p><b>3.1 a</b></p> <p><b>2.4</b></p>	<p>or stating that the difference of two fractions is rational</p>	
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