

Question number	Answer	Notes	Marks
2 (a) (i) (ii)	<p>Equal to</p> <p>Any TWO of -</p> <p>Rays continued and reflected correctly from mirror;</p> <p>Projected back behind mirror (to reasonably the right place)</p> <p>Line perpendicular to the mirror joining object and image positions (roughly equal distances in front and behind);</p>	<p>Judged by eye to be $i = r$ rays should diverge after reflection</p> <p>Judged by eye</p> <p>ACCEPT (for the second mark) projection back to image even if reflected rays not drawn in front of the mirror</p> <p>Rays do not need to have arrows</p> <p>Dotted lines no required behind mirror</p> <p>Image does not have to be labelled</p> <p>Accept dotted lines in front of mirror if meaning is clear</p> <p>Use of ruler not essential, but candidates will find it difficult to draw a convincing diagram freehand</p>	1 2
(iii)	'rays do not actually meet at the image'		1