

1.1 The Straight Line

At the end of this outcome I should...		I can do	Revised
1.1.1	know the gradient formula $m = \frac{y_2 - y_1}{x_2 - x_1}$	<input type="checkbox"/>	<input type="checkbox"/>
1.1.2	know distance formula $d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$	<input type="checkbox"/>	<input type="checkbox"/>
1.1.3	know gradient of a straight line equals tan of the angle between line and positive direction of x-axis $m = \tan \vartheta$	<input type="checkbox"/>	<input type="checkbox"/>
1.1.4	recognise the term locus	<input type="checkbox"/>	<input type="checkbox"/>
1.1.5	know equation of a line in the form $ax + by + c = 0$	<input type="checkbox"/>	<input type="checkbox"/>
1.1.6	know equation of a line in the form $y - b = m(x - a)$	<input type="checkbox"/>	<input type="checkbox"/>
1.1.7	determine equation of line from 2 points or 1 point and gradient	<input type="checkbox"/>	<input type="checkbox"/>
1.1.8	know that the gradients of parallel lines are equal	<input type="checkbox"/>	<input type="checkbox"/>
1.1.9	know that lines with gradients m_1 and m_2 are perpendicular when $m_1 m_2 = -1$	<input type="checkbox"/>	<input type="checkbox"/>
1.1.10	solve problems using the above properties of straight lines	<input type="checkbox"/>	<input type="checkbox"/>
1.1.11	know concurrency properties of medians, altitudes, angle bisectors and perpendicular bisectors	<input type="checkbox"/>	<input type="checkbox"/>