



National 4 Relationships

Past paper questions-National Level 4/General level unless otherwise stated

<u>Topic & number</u>	<u>Past Paper</u>	<u>Question</u>
<u>Outcome 1 – Applying Algebraic Skills to Linear Equations</u>		
1.1 Drawing & recognising a graph of a linear equation	2012 P2	6
	2010 P2	4
	2006 P1	5
1.2 Solving Linear Equations	2012 P2	9(a)
	2011 P2	6(b)
	2010 P2	6(b)
	2008 P2	8(a)
	2007 P2	5(b)*
	2006 P2	6(b)
1.3 Changing the subject of a formula (*credit)	2012 P1*	3
	2010 P1*	3
	2009 P1*	9
	2009 P2*	10
	2008 P1*	3
	2007 P1*	4
<u>Outcome 2 - Applying Geometric Skills to Sides and Angles of Shapes</u>		
2.1 Using Pythagoras' Theorem	2012 P2	7
	2011 P2	12
	2010 P2	12
	2009 P2	8
	2008 P2	5
	2007 P2	4
	2006 P2	8
2.2 Using fractional scale factor to enlarge or reduce a shape	2012 P2	2
	2010 P2	11(a)
	2009 P2	13
	2008 P2	7
	2007 P2	11
2.3 Using parallel lines, symmetry & circle properties to calculate angles	2012 P1	10
	2012 P2	4
	2011 P1	7
	2011 P2	5
	2010 P1	10
	2010 P2	11(b)
	2009 P1	9
	2008 P1	9
	2007 P2	9
	2006 P1	9
	2006 P2	11

<u>Outcome 3 - Applying Trigonometric Skills to Right-Angled Triangles</u>		
3.1 Calculating a side in a right-angled triangle	2012 P2	13
	2009 P2	11
	2007 P2	6
	2006 P2	4
3.2 Calculating an angle in a right-angled triangle	2011 P2	9
	2010 P2	10
	2008 P2	12
<u>Outcome 4 – Applying Statistical Skills to Representing Data</u>		
4.1 Constructing a scattergraph	2007 P1	7(a)
4.2 Drawing & applying a best-fitting straight line	2007 P1	7(b) & (c)
<u>Outcome 5 – Mathematical reasoning skills</u>		
5.1 Interpreting a situation where mathematics can be used & indentifying a valid strategy		
5.2 Explaining a solution and/or relating it to context		