



ALBA MATHEMATICS
Course Revision Task 8
Answers



Quest.	App	E&F	Rel.	Answer
1		✓		$3\sqrt{3}$
2			✓	$x = 1.2$ and -5.2 (1 d.p.)
3		✓		$f^{(2/3)} = 9$
4			✓	$x = 143^\circ$ and 323°
5			✓	$t = \sqrt{\frac{4q+5}{3}}$
6			✓	$a = 5; b = -2$
7			✓	$x = -4, y = 3$
8	✓			See below
9	✓			Angle BAC = 116°
10			✓	12.5g of sugar

8. $u + v = \begin{pmatrix} 3 \\ 5 \\ 4 \end{pmatrix}$ and $|u + v| = \sqrt{9 + 25 + 16} = \sqrt{50} = 5\sqrt{2}$