

Q1. (2017)

21	$-2.5 < x < 1$	B1	
	Additional Guidance		

Q2. (2017)

23	$0 = 5^2 + 5b + c$ or $-10 = 0^2 + b(0) + c$ or $c = -10$	M1	oe
	$b = -3$ or $x^2 - 3x + c$ or $(y =) x^2 - 3x - 10$	M1dep	oe $(x - 5)(x + k)$ and $-5k = -10$
	$(x - 5)(x + 2)$ or $\frac{-3 \pm \sqrt{(-3)^2 - 4 \times 1 \times -10}}{2 \times 1}$ or $\frac{3 \pm \sqrt{49}}{2}$ or $(x - \frac{3}{2})^2 + \dots$ or $2x - 3 = 0$ or x -coordinate of $P = -2$ or two symmetrical coordinates	M1dep	oe Correctly factorises the 3-term quadratic expression or correctly substitutes into quadratic formula for the 3-term quadratic dep on M1 M1 eg (1, -12) and (2, -12)
	$1\frac{1}{2}$ or $\frac{3}{2}$ with no incorrect working	A1	oe Accept (1.5, -12.25)
	Additional Guidance		

Q3. (2020)

Q	Answer	Mark	Comments
27	(1, -6)	B1	