Q1. (2019)

4	–3 and 5	B1	

Q2. (2020)

Q	Answer	Mark	Comments
30	$2x$	M1	oe
	$\frac{1}{2}x-\left(\frac{1}{2}x\right)^2$ or $\frac{1}{2}x-\frac{1}{4}x^2$	M1	oe $\frac{1}{4}x^2+\frac{3}{2}x=0$ oe equation implies M2
	$x\left(\frac{1}{4}x+\frac{3}{2}\right)=0$ or $x(x+6)=0$	M1dep	dep on M2 oe method for correct quadratic equation eg $\frac{-6\pm\sqrt{6^2-4\times1\times0}}{2\times1}$
	$x=0$ and $x=-6$	A1	
	Additional Guidance		
	$\frac{1}{2}x-\frac{1}{4}x^2=2x$		M2
	$2x-x^2=8x$		M2
	$x^2+6x=0$		M2