

Q1. (2018)

20	$x^2 + (7x)^2 = (10y)^2$ or $x^2 + 49x^2 = 100y^2$	M1	oe
	$50x^2 = 100y^2$ or $1.41(\dots)$	A1	oe equation with terms collected eg $\frac{x^2}{y^2} = \frac{100}{50}$ or $x^2 = 2y^2$ or $x = 1.41y$
	$\sqrt{2}$ or $\frac{2}{\sqrt{2}}$	A1	Do not accept further working
	Additional Guidance		
	$x^2 + 7x^2 = 10y^2$	M0	
	$\sqrt{2} = 1.41$	M1A1A0	
	$x^2 + (7x)^2 = (10y)^2$ $x^2 + 14x^2 = 20y^2$	M1 A0	