17	(area PQS =) $\frac{1}{2}\times 6.1\times 3.8\times \sin P = 9$ **or** (area $PQRS$ =) $6.1\times 3.8\times \sin P = 18$	$\frac{1}{2}\times 6.1\times SX = 9$ **or** $(SX =)\frac{9}{\frac{1}{2}\times 6.1}(=2.95...)$ **or** $6.1\times SX = 18$ **or** $(SX =)18\div 6.1(=2.95...)$		5	M1	correct equation for the area of the triangle or parallelogram **or** a calculation to find the height of the parallelogram (where X is the point vertically below S on PQ)
	eg (sin P =) $\frac{9}{\frac{1}{2}\times 6.1\times 3.8}\left(=0.776... \text{ or } \frac{900}{1159}\right)$ **or** (sin P =) $\frac{18}{6.1\times 3.8}\left(=0.776... \text{ or } \frac{900}{1159}\right)$	$(PX^2 =)3.8^2-"2.95..."^2(=5.73...)$ **or** $(PX =)\sqrt{3.8^2-"2.95..."^2}(=2.39...)$			M1	correct expression for sin P **OR** for start of Pythagoras method to find length of PX (where X is the point vertically below S on PQ)
	$(P =)\ \sin^{-1}"0.776..."\ (=50.9...)$	$(QX =)6.1-\sqrt{"5.73"}(=3.70...)$ **or** $(QX =)6.1-"2.39"(=3.70...)$			M1	for complete method to find angle P **OR** for method to find length of QX
	$(QS^2 =)3.8^2+6.1^2-2\times 3.8\times 6.1\times\cos("50.9")\ (=22.4...)$ **or** $(QS =)\sqrt{3.8^2+6.1^2-2\times 3.8\times 6.1\times\cos("50.9")}$	$(QS^2 =)"2.95..."^2+"3.70..."^2(=22.4...)$ **or** $(QS =)\sqrt{"2.95..."^2+"3.70..."^2}$			M1	correct expression for QS^2 (or QS)
			4.74		A1	accept 4.73 − 4.74
						Total 5 marks