National 5: Arcs and Sectors

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Answers

Q1	**a)**	L = 3.67 cm	**b)**	L = 5.67 cm	**c)** L = 4.71 mm
	d)	L = 6.28 m	**e)**	L = 8.48 m	**f)** L = 3.91 cm
Q2	**a)**	A = 2.57 cm^2.	**b)**	A = 30.2 mm^2.	**c)** A = 12.8 cm^2
	d)	A = 50.4 cm^2	**e)**	A = 2.99 cm^2	**f)** A = 0.487 m^2
Q3	**a)**	L = 18.84 cm	**b)**	L = 31.4 cm	**c)** L = 25.12 m
	d)	L = 62.8 m	**e)**	L = 125.6 cm	**f)** L = 6.28 cm
Q4	**a)**	A = 28.26 cm^2	**b)**	A = 18.84 cm^2	**c)** A = 9.42 cm^2
	d)	A = 628 cm^2	**e)**	A = 157 cm^2	**f)** A = 15.7 m^2
Q5	**a)**	r = 28.6 cm	**b)**	x = 95.5°	**c)** x = 152.8°
	d)	x = 91.7°	**e)**	r = 2.54 m	**f)** r = 12.4 cm

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