

## Worksheet 70 – Answers

### Given apothem

#	n	s	r	a	Angle	P	Area
1	5	11.62		8	36.0	58.12	232.5
4	6	6.93		6	30.0	41.57	124.7
7	8	3.31		4	22.5	26.51	53.0
10	10	5.20		8	18.0	51.99	207.9

### Given Perimeter (or side)

#	n	s	r	a	Angle	P	Area
2	5	10		6.9	36.0	50.00	172.0
5	6	16		13.9	30.0	96.00	665.1
8	8	6		7.2	22.5	48.00	173.8
11	10	6		9.2	18.0	60.00	277.0

### Given Radius

#	n	s	r	a	Angle	P	Area
3	5	14.11	12	9.7	36.0	70.53	342.4
6	6	10.00	10	8.7	30.0	60.00	259.8
9	8	6.12	8	7.4	22.5	48.98	181.0
12	10	4.94	8	7.6	18.0	49.44	188.1