

## Sine Rule, Cosine Rule – Answers

### Sine and Cosine Rule

1) 8.93cm

2)  $129^\circ$

3) 13.3cm

4)  $45.8^\circ$

5) (a) 18.9cm      (b)  $32.5^\circ$       (c) 14.8cm      (d)  $45.6^\circ$  or  $134.4^\circ$       (e)  $115^\circ$

6) 13.8km from P    11.4km from Q

7) AD = 56.5m      BD = 68.3m      CD = 64.3m       $\angle BCD = 74.5^\circ$        $\angle ADC = 124.5^\circ$

8) angle C =  $69.2^\circ$  or  $110.8^\circ$