

Trigonometry

Workout

Question 1

- (a) 26.57° (b) 15.47° (c) 36.87° (d) 53.13° (e) 69.51° (f) 61.04°
(g) 41.76° (h) 42.83° (i) 36.87° (j) 55.31° (k) 67.38° (l) 36.87°

Question 2

- (a) 14.28cm (b) 12.45cm (c) 2.05cm (d) 7.27cm (e) 4.66cm (f) 61.44cm
(g) 43.30cm (h) 41.85cm (i) 9.04cm (j) 3.46km (k) 57.96cm (l) 0.92m

Question 3

- (a) 62.73° (b) 3.31cm (c) 23.33cm (d) 38.94° (e) 28.54° (f) 16.11mm

Apply

Question 1

3.86m

Question 2

59.32°

Question 3:

23.04 foot

Question 4

22.62°

Question 5

- (a) 4.37cm
(b) 12.77cm
(c) 29.14cm
(d) 26.2cm^2

Question 6

104.04°

Question 7

298.61°

Question 8

$A=54.54\text{cm}^2$

Question 9

98.48cm^2

Question 10

Did not take the inverse of sine – answer: $x=\sin^{-1}(0.9)$ therefore $x = 64.16^\circ$