

Question 1

- (a) 100° (b) 150° (c) 160°
(d) 63° (e) 31° (f) 128°
(g) 24° (h) 65° (i) 68°

Question 2

- (a) $x = 112^\circ$ $y = 55^\circ$
(b) $x = 105^\circ$ $y = 146^\circ$
(c) $x = 132^\circ$ $y = 68^\circ$

Question 3

- (a) $x = 70^\circ$ $y = 70^\circ$ $z = 110^\circ$
(b) $x = 38^\circ$ $y = 142^\circ$ $z = 142^\circ$
(c) $x = 129^\circ$ $y = 51^\circ$ $z = 129^\circ$

Question 4

- (a) $x = 98^\circ$ $y = 82^\circ$ $z = 82^\circ$
(b) $x = 75^\circ$ $y = 105^\circ$ $z = 75^\circ$
(c) $x = 23^\circ$ $y = 157^\circ$ $z = 157^\circ$

Question 5

- (a) $y = 100^\circ$ $x = 37^\circ$
(b) $x = 96^\circ$ $y = 96^\circ$
(c) $x = 87.5^\circ$ $y = 87.5^\circ$

Question 6

- (a) 106°
(b) 113°
(c) 77°
(d) 104°
(e) 104°