Workout

Question 1

(a) 40° (b) 25° (c) 50°

(d) 82° (e) 137° (f) 39°

(g) 63° (h) 45° (i) 9°

Question 2

(a) 110° (b) 75° (c) 128°

(d) 78° (e) 58° (f) 71°

(g) 24° (h) 62.5° (i) 62°

Question 3: 60°

Question 4

(a) 45° (b) 158° (c) 143°

(d) 66° (e) 69° (f) 34°

(g) 133° (h) 40° (i) 51°

Apply

Question 1: 65°

Question 2: It could have angles of 90°, 45° and 45°

Question 3: 30°, 60°, 90°

Question 4:

Pair 1: 52° and 76°

Pair 2: 64° and 64°

Question 5: Call the missing angle a.

In a triangle: $x + y + a = 180$

In a straight line: $a + z = 180$

so $z = x + y$

Question 6: 36°

Question 7: 34°, 44° and 102°