

Missing angles

1

a $x = 86^\circ$

b $x = 36^\circ$

c $x = 44^\circ$

2 $x = 43^\circ$

3

a $x = 57^\circ$

b $x = 51^\circ$

c $x = 37^\circ$

4

a $x = 60^\circ$

b $x = 48^\circ$

c $x = 36^\circ$

5 $x = 90^\circ$

Missing lengths

6

a $x = 11$

b $x = 13$

c $x = 12$

7

a $t = 36^\circ$

b $u = 72^\circ$

8 18 cm

9

a $x = 16$ cm

b $x = 8$

c $x = 72$

10 60 cm^2

11

a $\sqrt{130}$

b $\sqrt{130} - 9$

Proofs

12

a No solution provided.

b No solution provided.

13 No solution provided.