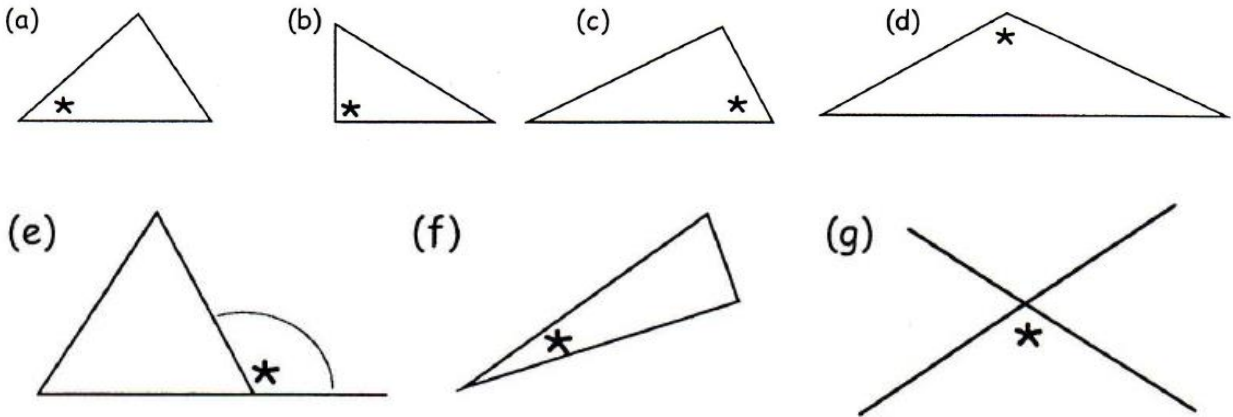# S1

CFE Level 3

Working at Home Workbook

Angles

| Learning Intention To be able to - |
| --- |
| Find a complementary or supplementary angle |
| Calculate a missing angle round a point |
| Find missing angles using vertically opposite angles |
| Find a missing angle in a triangle |

What type of angle is marked with *

(a)   (b)   (c)   (d)

(e)   (f)   (g)

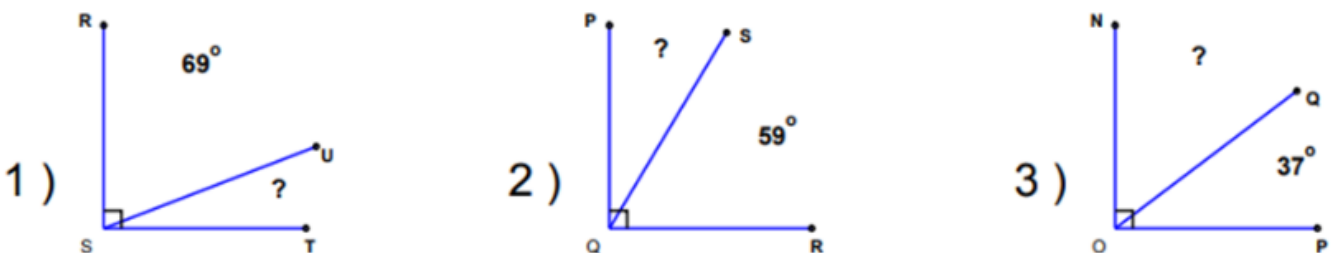# What type of angle each of the following is:

(a) 47°   (b) 91°   (c) 176°   (d) 180°

(e) 190°   (f) 1°   (g) 90°   (h) 270°.
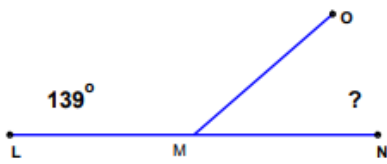
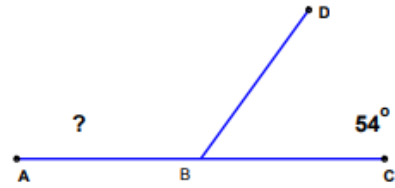# Use 3 letters to name each the angles marked *

(a)   (b)   (c)   (d)

(e)   (f)   (g)   (h)
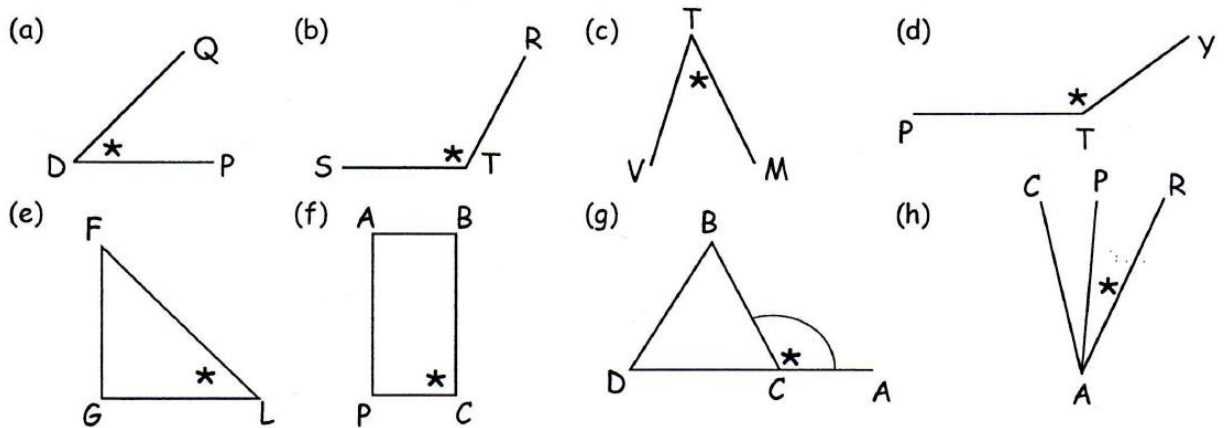
Find unknown complementary angles:

1)   2)   3)

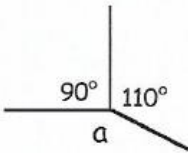# Find unknown supplementary angles:

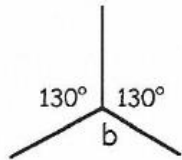**1)** 139° ? (L, M, N, O)

2) ? 54° (A, B, C, D)

Find the value of the angles marked a, b, c, d.

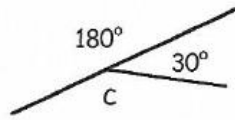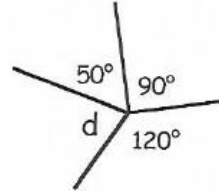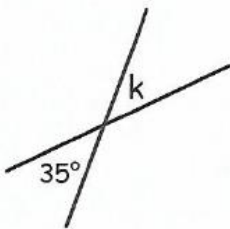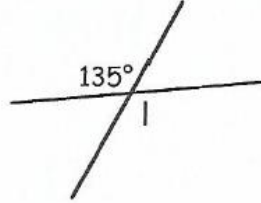**a** 90° | 110° a

b 130° | 130° b

c 180° 30° c

d 50° | 90° d 120°

Find the value of the angles marked k, l, m.

a k 35°

b 135° l

c 58° m
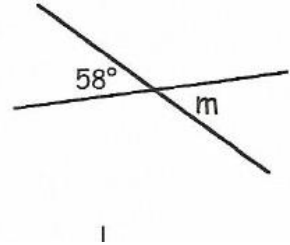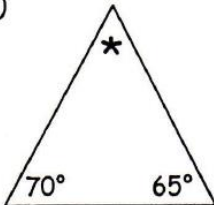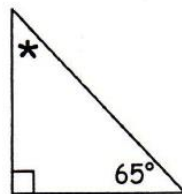
Calculate the size of the angle marked * in each of these triangles

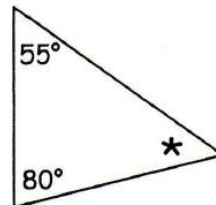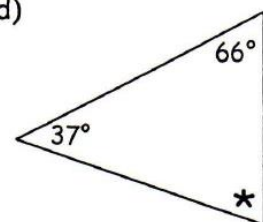**(a)** * 70° 65°
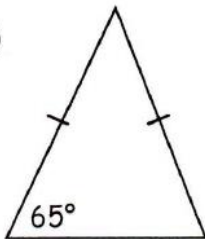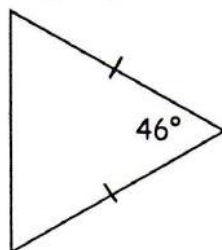
(b) * 65°

(c) 55° * 80°

(d) 66° 37° *

Calculate the size of all the missing angles in each of these triangles.

(a) 65°

(b) 46°

(c) 79°

(d)

(e) 100°

(f) 105°