(1)

$\angle A = 180° - (\angle B + \angle C)$
$= 180° - (31° + 112°)$
$= 180° - 143°$
$= 37°$

(2)
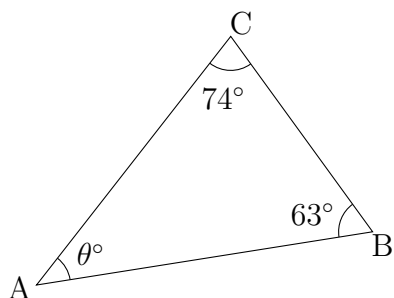
$\angle A = 180° - (\angle B + \angle C)$
$= 180° - (63° + 74°)$
$= 180° - 137°$
$= 43°$

(3)
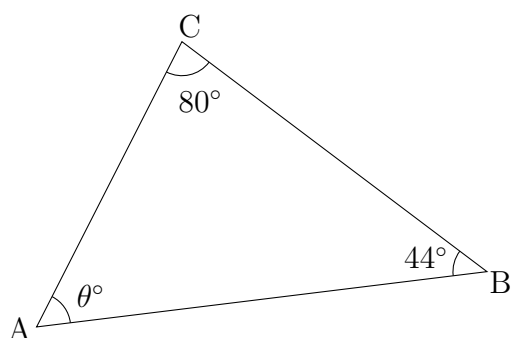
$\angle A = 180° - (\angle B + \angle C)$
$= 180° - (44° + 80°)$
$= 180° - 124°$
$= 56°$

(4)
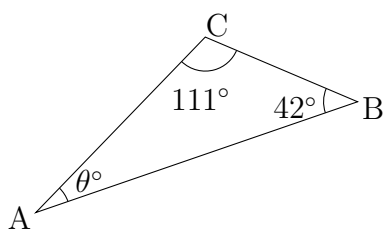
$\angle A = 180° - (\angle B + \angle C)$
$= 180° - (42° + 111°)$
$= 180° - 153°$
$= 27°$

(5)
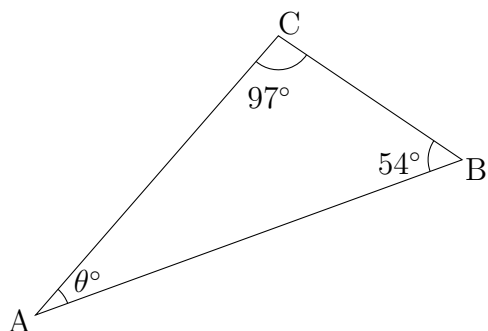
$\angle A = 180° - (\angle B + \angle C)$
$= 180° - (54° + 97°)$
$= 180° - 151°$
$= 29°$

(6)
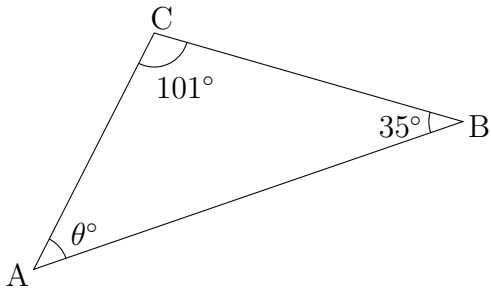
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (35° + 101°)$$
$$= 180° - 136°$$
$$= 44°$$

(7)
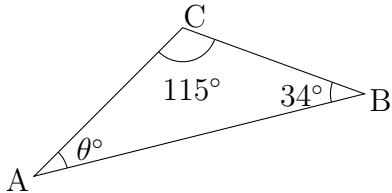
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (34° + 115°)$$
$$= 180° - 149°$$
$$= 31°$$

(8)
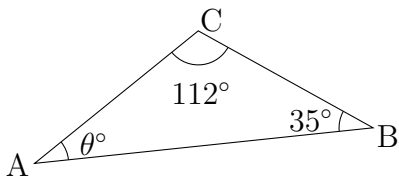
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (35° + 112°)$$
$$= 180° - 147°$$
$$= 33°$$

(9)
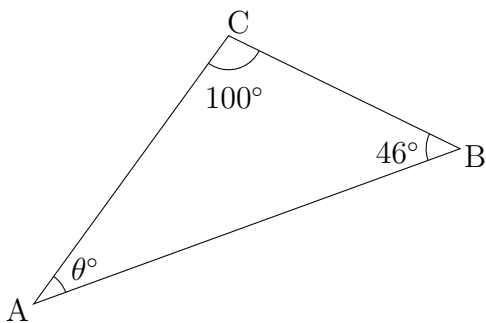
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (46° + 100°)$$
$$= 180° - 146°$$
$$= 34°$$

(10)
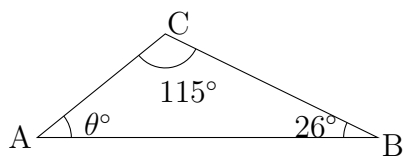
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (26° + 115°)$$
$$= 180° - 141°$$
$$= 39°$$

(11)
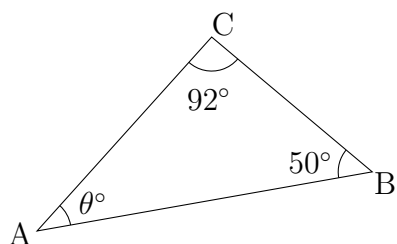
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (50° + 92°)$$
$$= 180° - 142°$$
$$= 38°$$

(12)
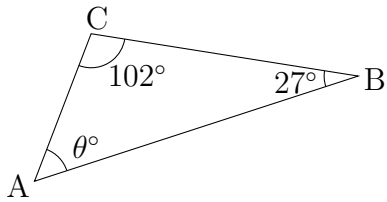
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (27° + 102°)$$
$$= 180° - 129°$$
$$= 51°$$

(13)
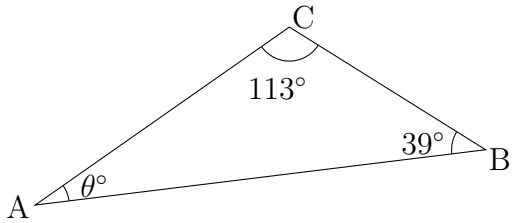
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (39° + 113°)$$
$$= 180° - 152°$$
$$= 28°$$

(14)
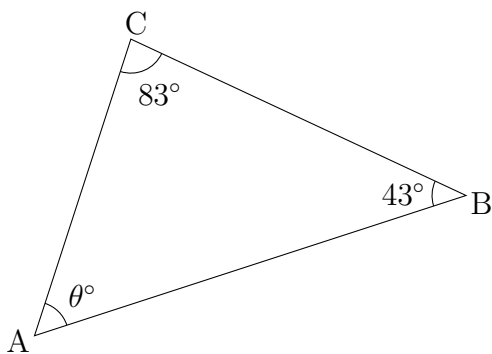
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (43° + 83°)$$
$$= 180° - 126°$$
$$= 54°$$

(15)
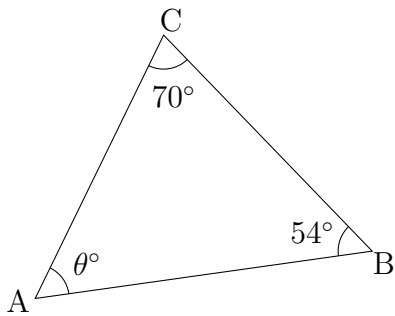
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (54° + 70°)$$
$$= 180° - 124°$$
$$= 56°$$

(16)
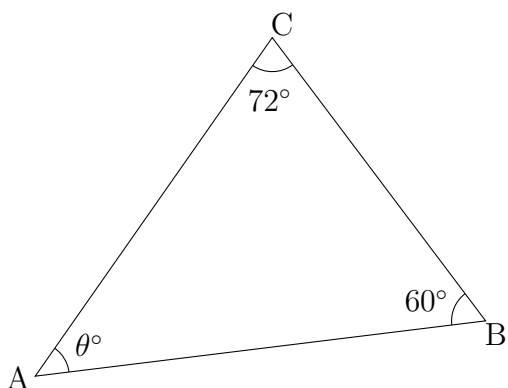
$$\angle A = 180° - (\angle B + \angle C)$$
$$= 180° - (60° + 72°)$$
$$= 180° - 132°$$
$$= 48°$$

3

(17)

C

68°

θ°   60°
A   B
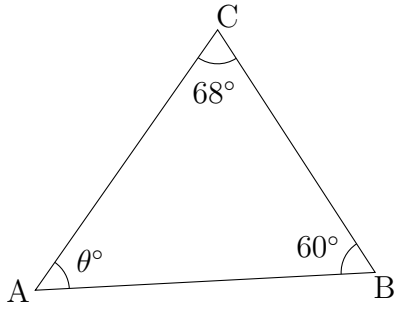
$\angle A = 180° - (\angle B + \angle C)$
$\quad = 180° - (60° + 68°)$
$\quad = 180° - 128°$
$\quad = 52°$

(18)

C

92°

θ°   30°
A   B
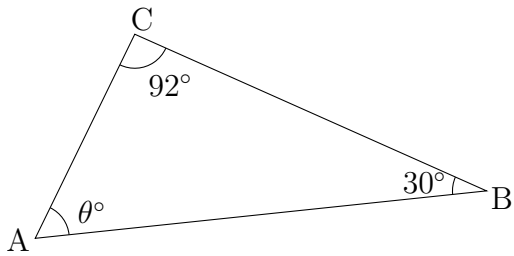
$\angle A = 180° - (\angle B + \angle C)$
$\quad = 180° - (30° + 92°)$
$\quad = 180° - 122°$
$\quad = 58°$

(19)

C

85°

57°
θ°   B
A
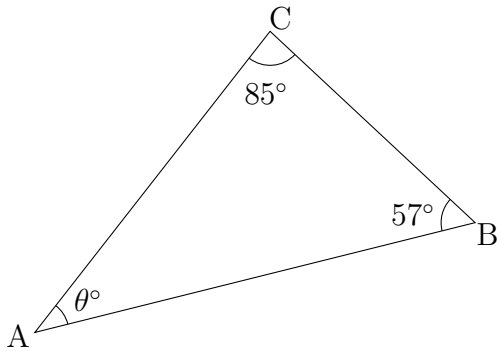
$\angle A = 180° - (\angle B + \angle C)$
$\quad = 180° - (57° + 85°)$
$\quad = 180° - 142°$
$\quad = 38°$

(20)

C

98°   27°   B

θ°
A
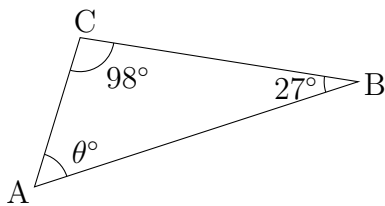
$\angle A = 180° - (\angle B + \angle C)$
$\quad = 180° - (27° + 98°)$
$\quad = 180° - 125°$
$\quad = 55°$