

5.2 KOTI V TRIKOTNIKU

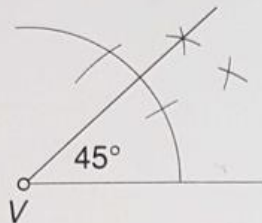
1.

| | α | β | γ | α_1 | β_1 | γ_1 |
|---|----------------|----------------|------------|----------------|-----------------|-------------|
| 1 | 40° | 80° | 60° | 140° | 100° | 120° |
| 2 | $97^\circ 45'$ | $29^\circ 15'$ | 53° | $82^\circ 15'$ | $150^\circ 45'$ | 127° |
| 3 | 26° | 69° | 85° | 154° | 111° | 95° |
| 4 | 101° | 67° | 12° | 79° | 113° | 168° |

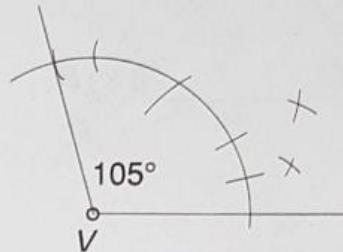
2. a) $\alpha = 76^\circ, \beta_1 = 114^\circ, \gamma = 38^\circ, \gamma_1 = 142^\circ$
 b) $\alpha_1 = 126^\circ, \beta = 13^\circ, \beta_1 = 167^\circ, \gamma_1 = 67^\circ$
 c) $\varphi = 79^\circ, \delta = 84^\circ, \varepsilon = 17^\circ, \varepsilon_1 = 163^\circ$
 č) $\alpha = 77^\circ, \beta = 15^\circ, \beta_1 = 165^\circ, \gamma = 88^\circ$
 d) $\alpha = 67^\circ, \beta = 42^\circ, \gamma = 71^\circ, \delta = 42^\circ, \varepsilon = 67^\circ$
 e) $\alpha = 75^\circ, \beta = 38^\circ, \gamma = 67^\circ$

- f) $\alpha = 62^\circ, \beta = 28^\circ, \gamma = 152^\circ, \delta = 35^\circ$
 g) $\alpha_1 = 136^\circ, \beta = 53^\circ, \gamma = 127^\circ, \delta = 97^\circ, \varepsilon = 136^\circ$
 h) $\alpha = 23^\circ 23', \beta = 78^\circ, \gamma = 101^\circ 23'$
 i) $\varphi = 99^\circ, \varepsilon = 9^\circ$

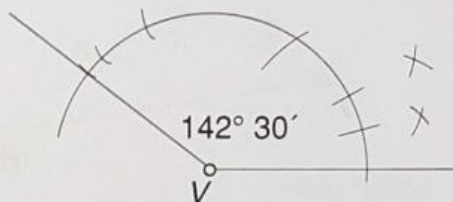
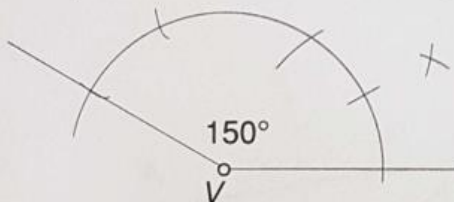
3. a) $45^\circ = 30^\circ + 15^\circ$



b) $105^\circ = 60^\circ + 30^\circ + 15^\circ$



c) $150^\circ = 60^\circ + 60^\circ + 15^\circ$ č) $142^\circ 30' = 60^\circ + 60^\circ + 15^\circ + 7^\circ 30'$



4. a) $\alpha = 56^\circ, \alpha_1 = 124^\circ, \beta = 56^\circ, \beta_1 = 124^\circ, \gamma_1 = 112^\circ$
 b) $\beta = 52^\circ, \varphi = 14^\circ$
 c) $\alpha = 70^\circ, \varphi = 20^\circ, \varepsilon = 55^\circ$
 č) $\varphi = 16^\circ, \varepsilon = 146^\circ, \gamma = 36^\circ$
5. $\alpha = 63^\circ 9', \beta = 63^\circ 9', \alpha_1 = 116^\circ 51', \beta_1 = 116^\circ 51', \gamma_1 = 126^\circ 18'$