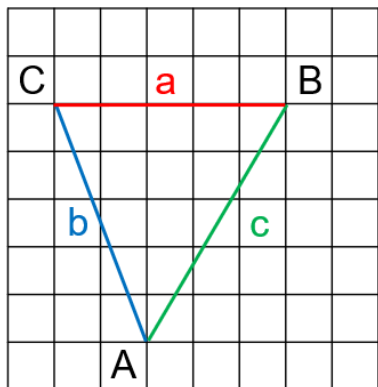


17. Pythagorova věta v síti

Př. Vypočítejte obvod trojúhelníku ve čtvercové síti



$$o = a + b + c$$

$$o = 5 + 5,4 + 5,8$$

$$o = 16,2$$

$$b^2 = 5^2 + 2^2$$

$$b^2 = 25 + 4$$

$$b^2 = 29$$

$$b = \sqrt{29}$$

$$b = 5,4$$

$$c^2 = 5^2 + 3^2$$

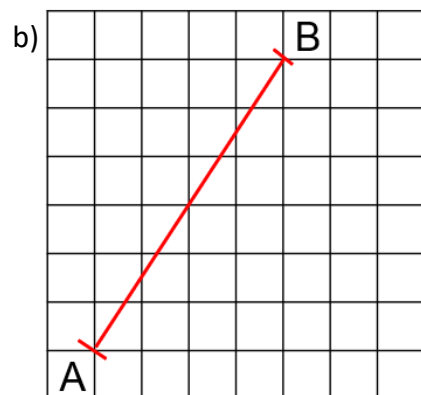
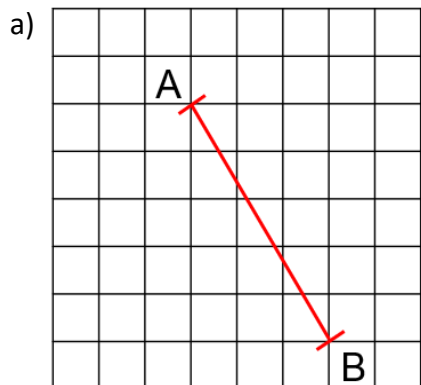
$$c^2 = 25 + 9$$

$$c^2 = 34$$

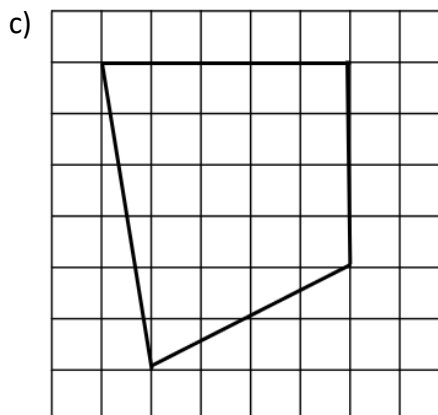
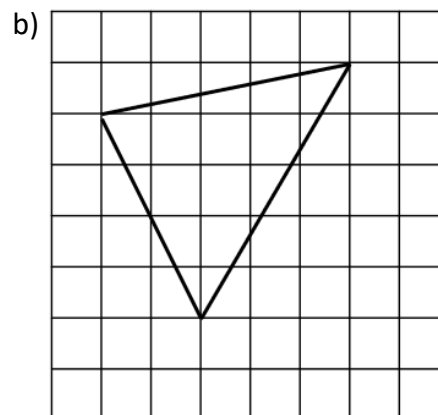
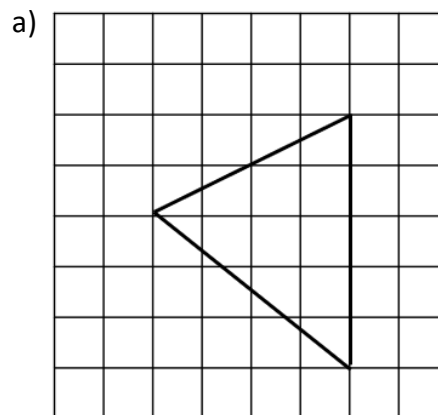
$$c = \sqrt{34}$$

$$c = 5,8$$

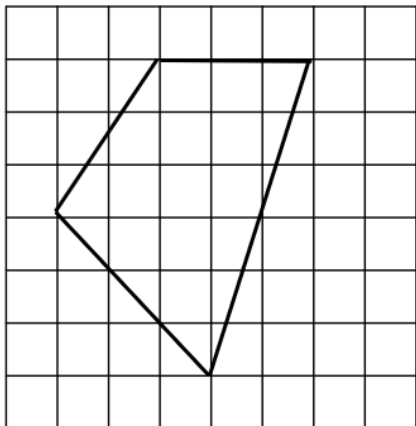
1) Vypočítejte délku úsečky AB vyznačené ve čtvercové síti



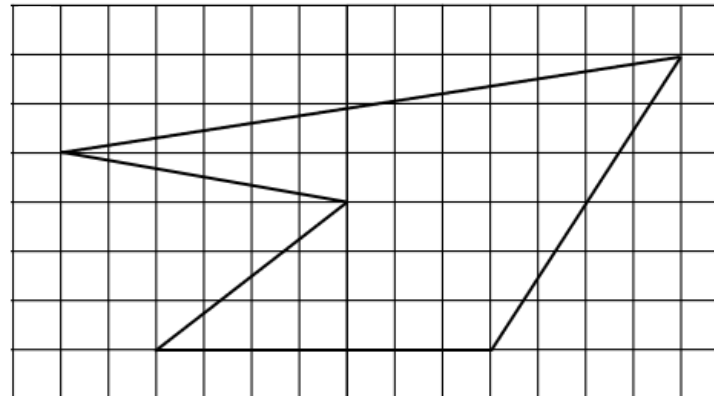
2) Vypočítejte obvod útvaru vyznačeného ve čtvercové síti.



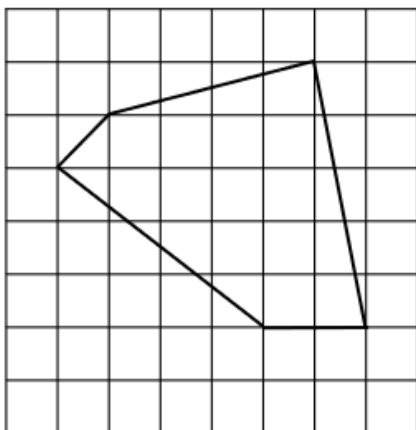
d)



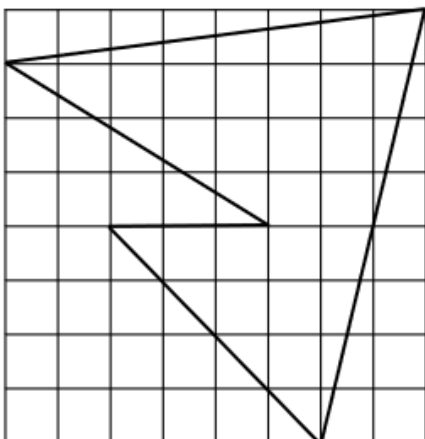
g)



e)

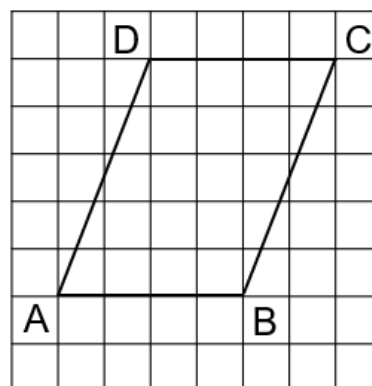


f)



3) Vypočítejte obvod a obsah čtyřúhelníků ve čtvercové síti

a)



b)

