



$$S = S_2 - S_1$$

$$S_1 = \pi * r^2$$

$$S_2 = \pi * (2r)^2$$

$$S = \pi * (2r)^2 - \pi * r^2$$

$$S = \pi * 4r^2 - \pi r^2$$

$$S = r^2 * (4\pi - \pi)$$

$$S = r^2 * (3\pi)$$

$$S = 3\pi r^2$$

$$100m^2 = 3 * 3,14 * r^2$$

$$100 = 9,425r^2$$

$$r^2 = 10,61$$

$$r = 3,26m$$

Odpověď – Prvý polomer je 3,26m a druhý je dvojnásobný čiže 6,52m.