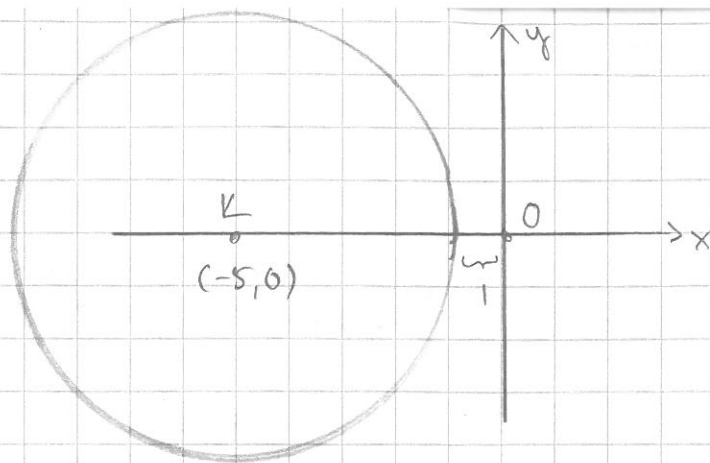
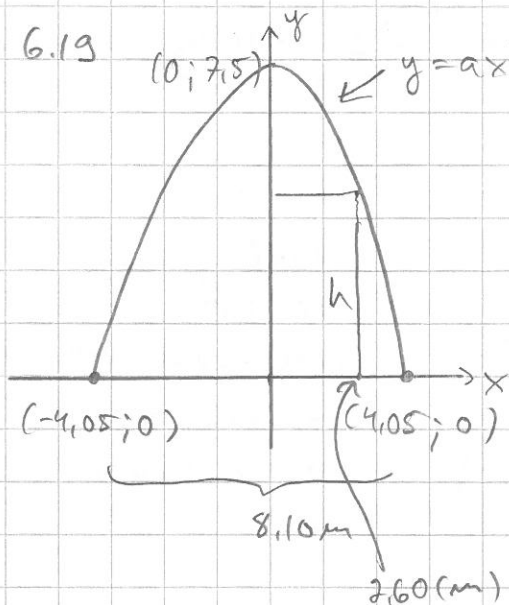




$$|KO| = \sqrt{(-5-0)^2 + (0-0)^2} = 5 > r = 4$$

$\Rightarrow$ O on ympyrän ulkopuolella

$$\Rightarrow \text{etäisyys: } d = |KO| - r = 5 - 4 = \underline{1}$$



$y = ax^2 + bx + c \Rightarrow c = 7.5$
 parabolin symmetrisen y-akselin suhteen
 $\Rightarrow$ parabolin funktion
 $\Rightarrow b = 0$

$$a \cdot 4.05^2 + 7.5 = 0 \Rightarrow a = -\frac{7.5}{4.05^2}$$

$$h = y(2.6) = -\frac{7.5}{4.05^2} \cdot 2.6^2 + 7.5$$

$$= 4.4090 \approx \underline{\underline{4.4 \text{ (m)}}}$$