

Lijn en parabool

22. $f(x) = g(x) \rightarrow 2x - 12 = x^2 - 6x$
 $x^2 - 8x + 12 = 0$
 $(x - 6)(x - 2) = 0$
 $x = 2$ of $x = 6 \rightarrow (2, -8)$ en $(6, 0)$
 $AB = \sqrt{(6-2)^2 + (0-(-8))^2} = \sqrt{80}$

23. $rc = 2 \rightarrow g'(x) = 2$
 $2x - 6 = 2 \rightarrow x = 4$ dus $(4, -8)$
 $y = 2x + b$ door $(4, -8)$
 $-8 = 8 + b \rightarrow b = -16$
 $y = 2x - 16$