

# No. 16

# 15 Minuten

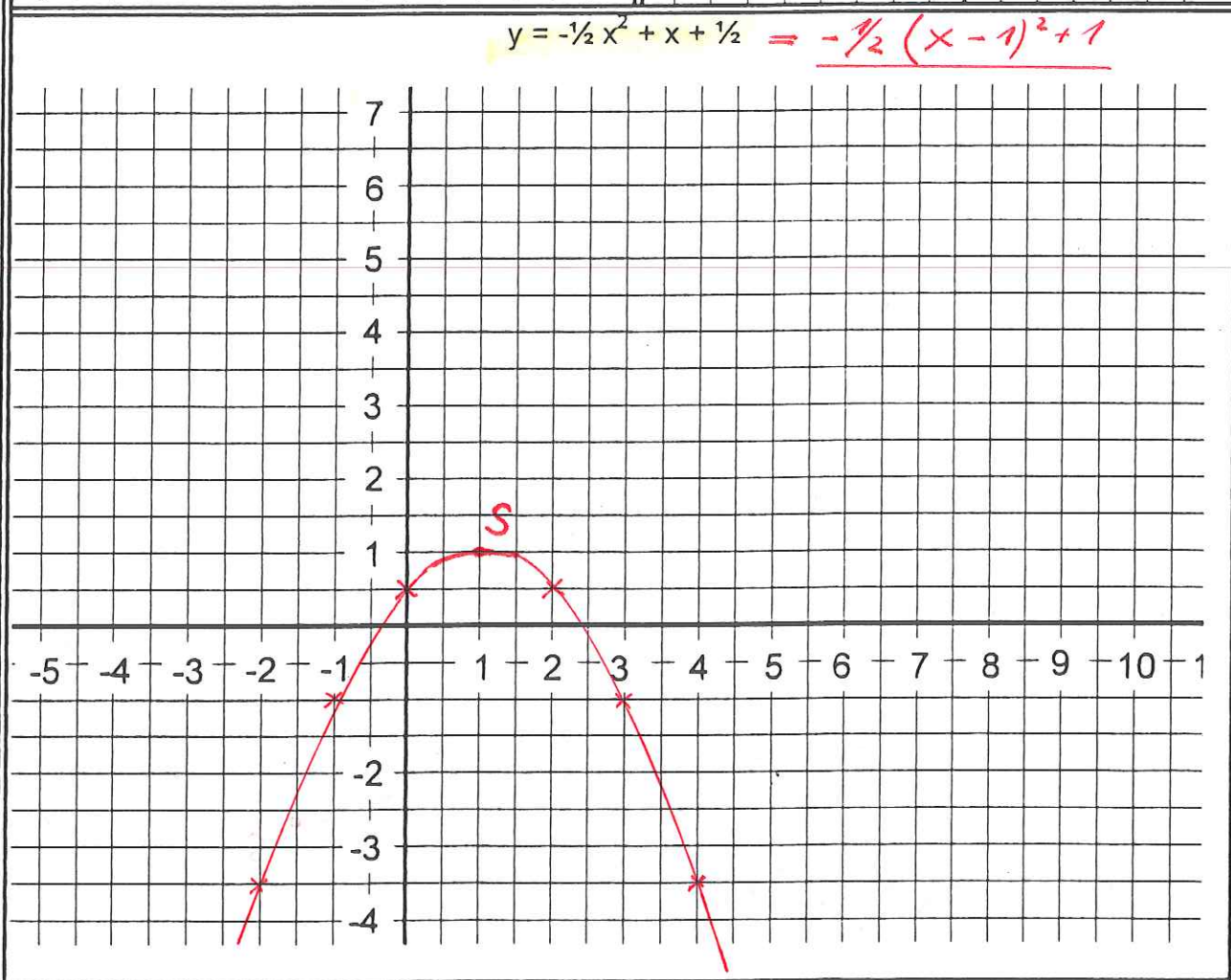
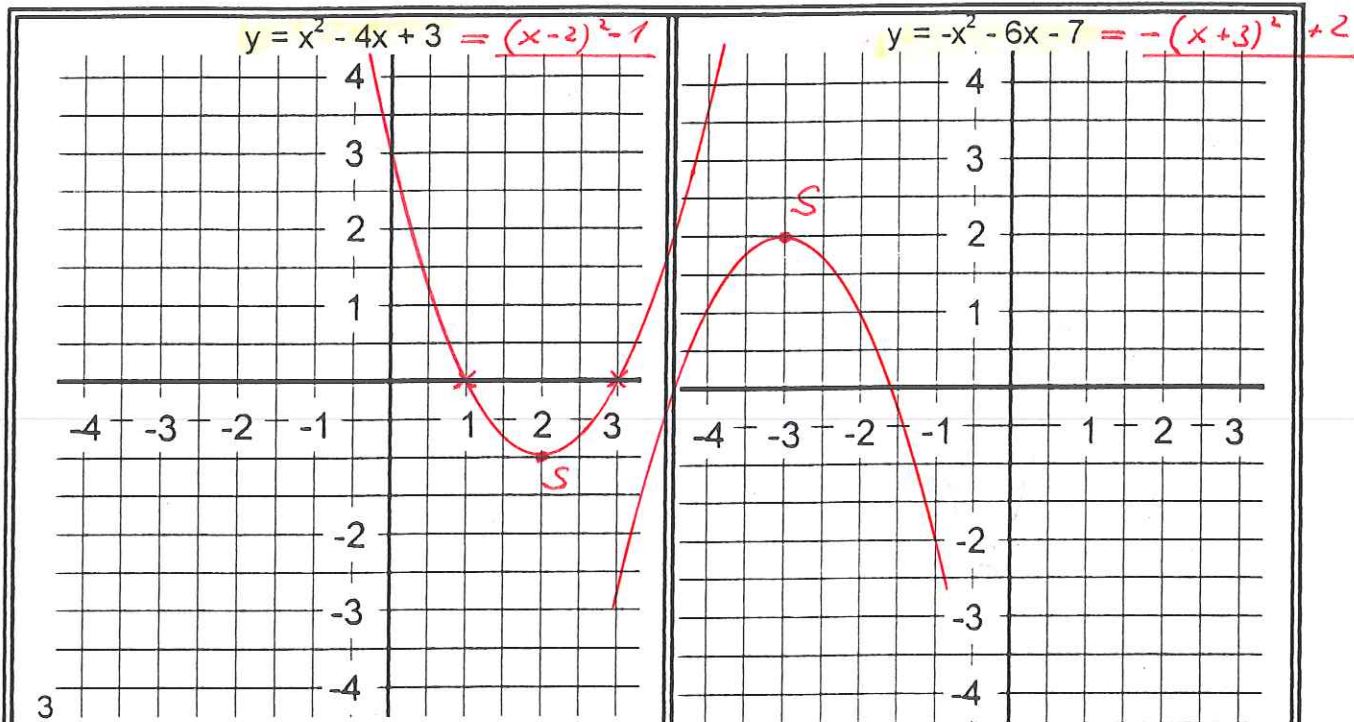
Test D

Name

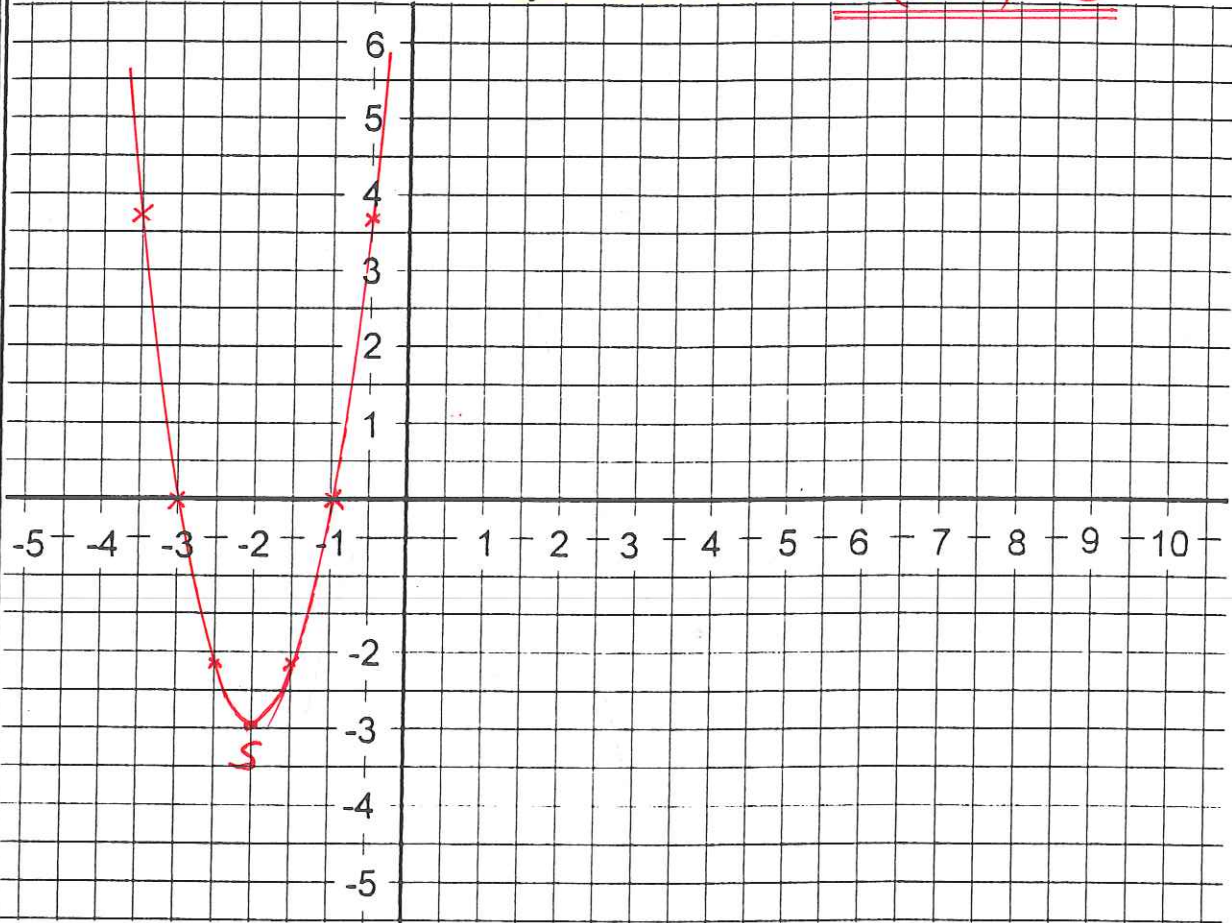
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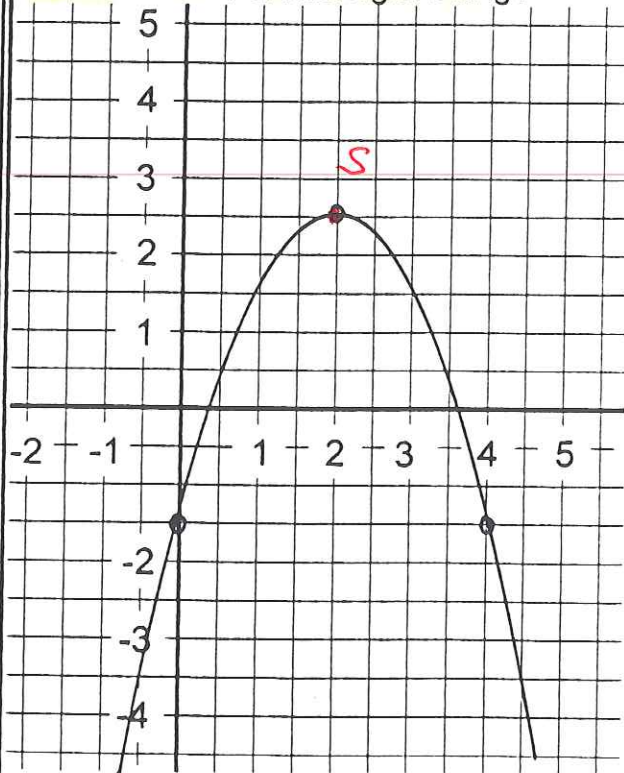
- 1) Ergänze quadratisch (auf einem Beiblatt - auch abzugeben)
- 2) Zeichne die Graphen der Funktionen mit Hilfe der Schablone!



$$y = 3x^2 + 12x + 9 = \underline{\underline{3(x+2)^2 - 3}}$$

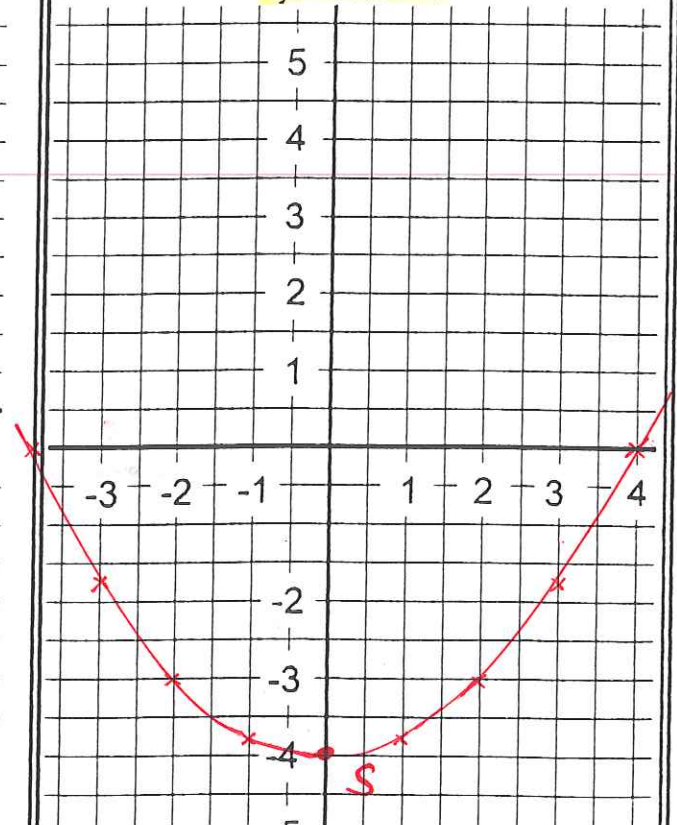


Wie lautet die Funktionsgleichung?



$$y = \underline{\underline{-(x-2)^2 + 2,5}}$$

$$y = \frac{1}{4}x^2 - 4$$



$$y = a(x-2)^2 + 2,5$$

$$P(0|-1,5) \Rightarrow -1,5 = a(0-2)^2 + 2,5 \Rightarrow a = -1$$