

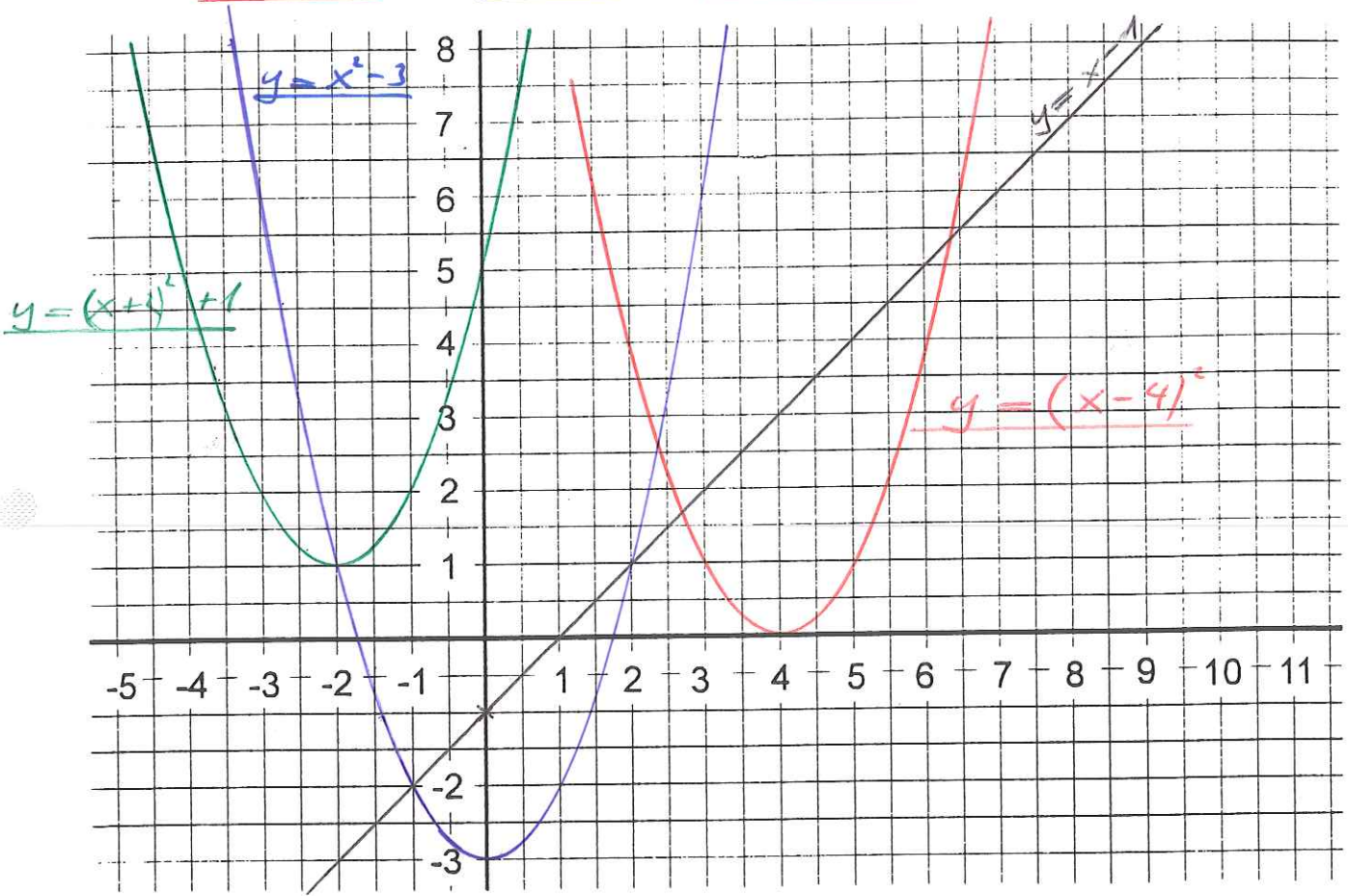
1) Zeichne (und beschrifte deutlich!)

a) $y = (x - 4)^2$

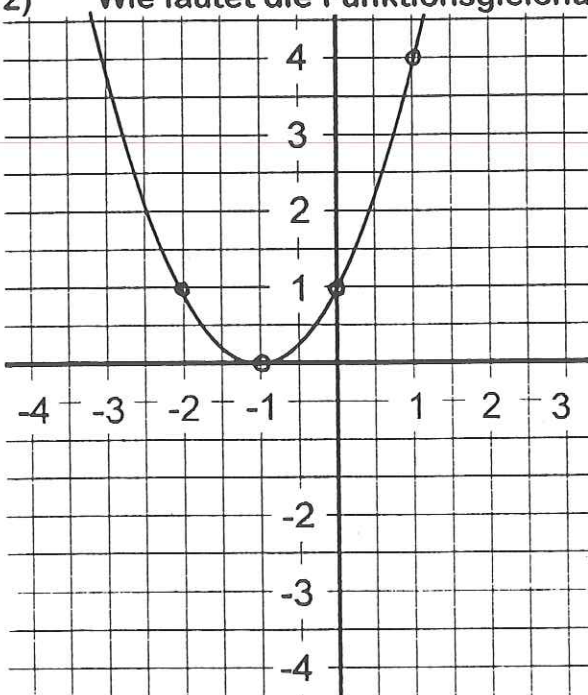
b) $y = x^2 - 3$

c) $y = (x + 2)^2 + 1$

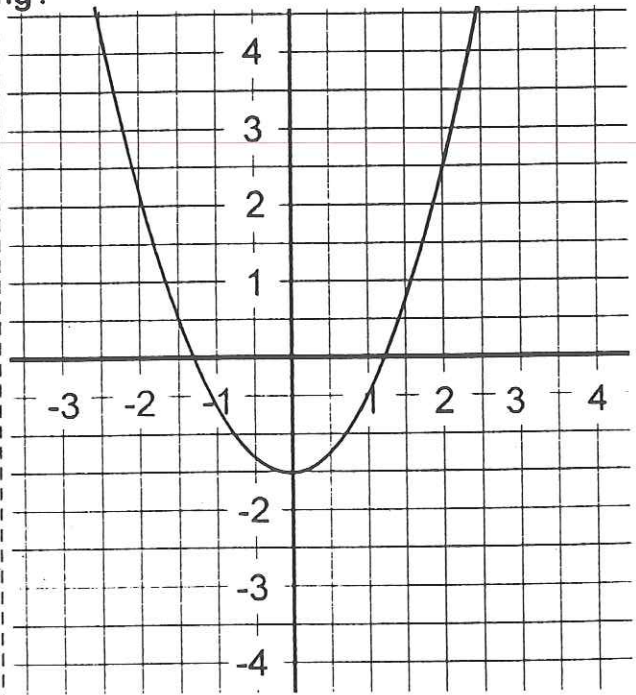
d) $y = x - 1$



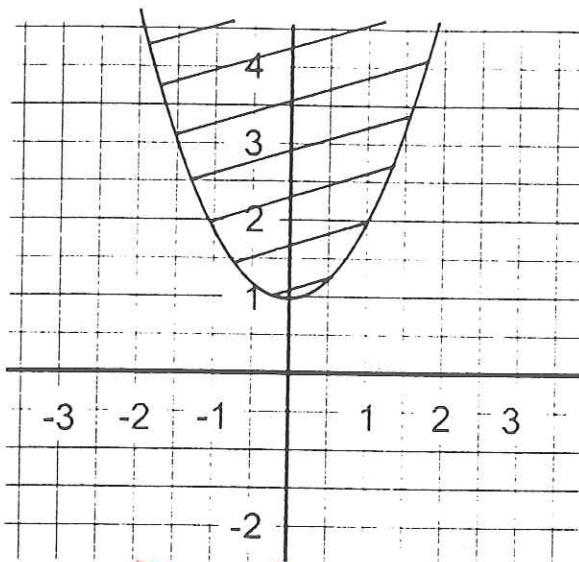
2) Wie lautet die Funktionsgleichung?



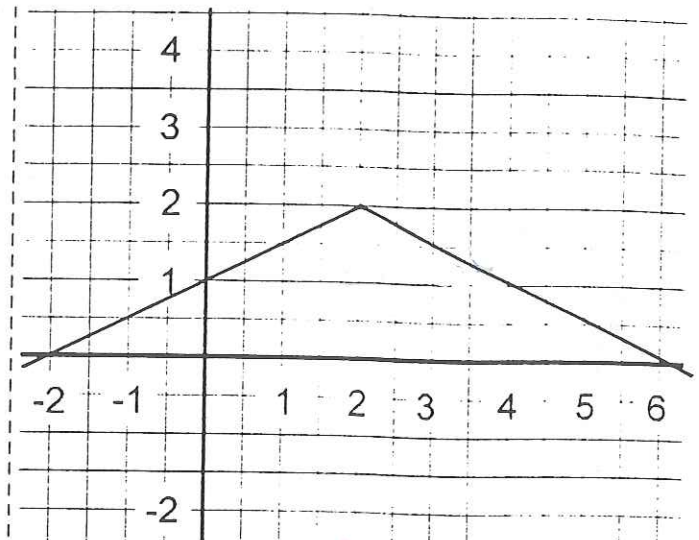
$y = (x + 1)^2$



$y = x^2 - 1.5$



$$\underline{y = x^2 + 1}$$



$$\underline{y = \frac{-1}{2} |x - 2| + 2}$$

3) Ergänze quadratisch:

$$y = x^2 + 8x + 18$$

$$\underline{y = (x + 4)^2 + 2}$$

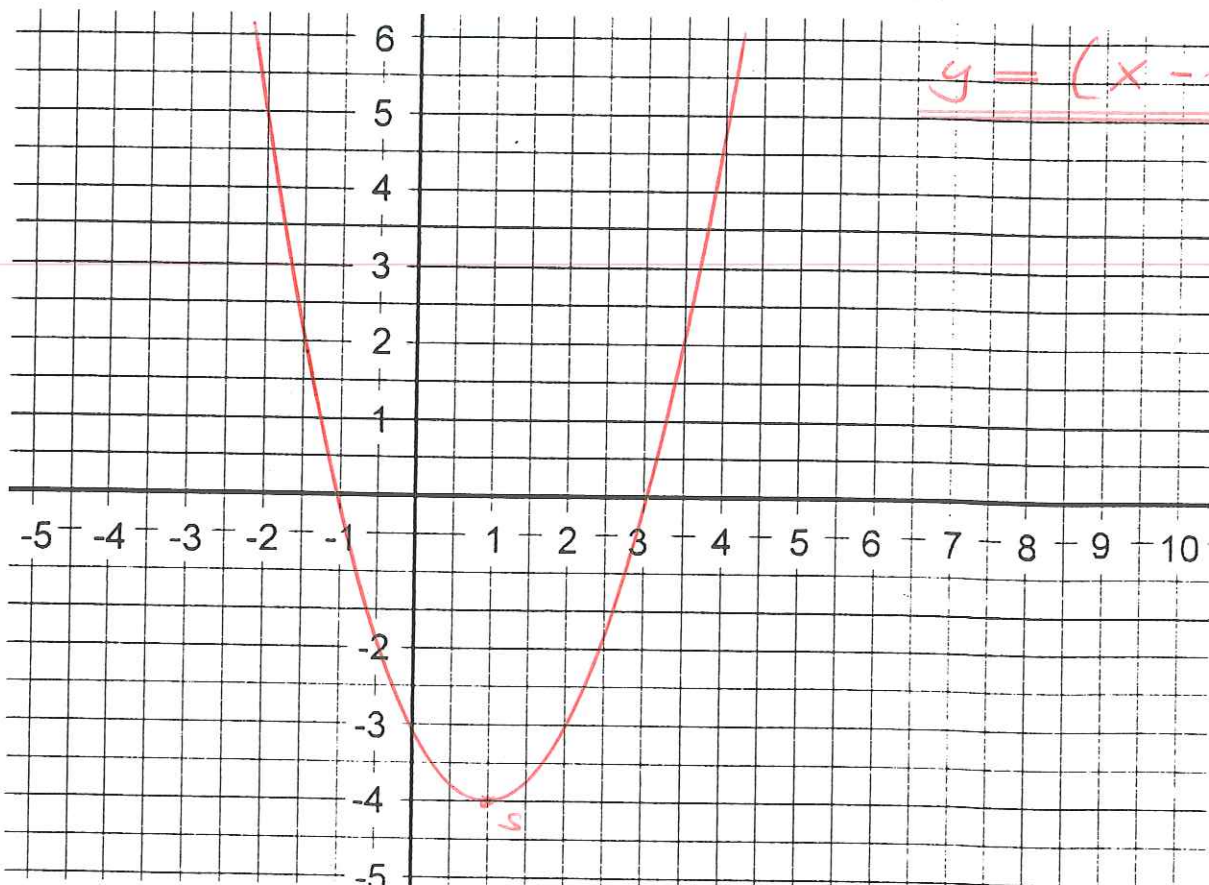
$$y = x^2 - 4x + 1$$

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

$$y = x^2 - x + \frac{3}{4}$$

$$\underline{y = (x - \frac{1}{2})^2 + \frac{1}{4}}$$

4) Ergänze quadratisch und zeichne mit der Schablone: $y = x^2 - 2x - 3$



$$\underline{y = (x - 1)^2 - 4}$$