Normalform -> Scheitelpunktform

Klappe zum Rechnen im Heft die Lösungen an der gestrichelten Linie nach hinten. Nach dem Lösen der Aufgaben kannst Du die Lösungen zurück klappen und vergleichen. Viel Erfolg!

Lösungen:

a)	$y = x^2 + 4x + 11$	$y = (x + 2)^2 + 7$
b)	$y = x^2 - 14x + 47$	$y = (x - 7)^2 - 2$
c)	$y = x^2 + 6x + 10$	$y = (x + 3)^2 + 1$
d)	$y = x^2 - 10x + 26$	$y = (x - 5)^2 + 1$
e)	$y = x^2 - 14x + 45$	$y = (x - 7)^2 - 4$
f)	$y = x^2 + 8x + 9$	$y = (x + 4)^2 - 7$
g)	$y = x^2 - 16x + 63$	$y = (x - 8)^2 - 1$
h)	$y = x^2 + 16x + 67$	$y = (x + 8)^2 + 3$
i)	$y = x^2 + 10x + 20$	$y = (x + 5)^2 - 5$
j)	$y = x^2 - 6x + 10$	$y = (x - 3)^2 + 1$
k)	$y = x^2 + 10x + 22$	$y = (x + 5)^2 - 3$
l)	$y = x^2 - 8x + 16$	$y = (x - 4)^2 \; 0$
m)	$y = x^2 - 10x + 26$	$y = (x - 5)^2 + 1$
n)	$y = x^2 + 4x - 2$	$y = (x + 2)^2 - 6$
o)	$y = x^2 + 6x + 15$	$y = (x + 3)^2 + 6$
p)	$y = x^2 - 4x + 7$	$y = (x - 2)^2 + 3$
q)	$y = x^2 - 12x + 42$	$y = (x - 6)^2 + 6$
r)	$y = x^2 + 12x + 37$	$y = (x + 6)^2 + 1$
s)	$y = x^2 + 10x + 20$	$y = (x + 5)^2 - 5$
t)	$y = x^2 - 16x + 69$	$y = (x - 8)^2 + 5$
u)	$y = x^2 + 10x + 25$	$y = (x + 5)^2 \; 0$
v)	$y = x^2 - 8x + 20$	$y = (x - 4)^2 + 4$
w)	$y = x^2 - 2x + 9$	$y = (x - 1)^2 + 8$
x)	$y = x^2 - 4x + 1$	$y = (x - 2)^2 - 3$
y)	$y = x^2 + 6x + 15$	$y = (x + 3)^2 + 6$
z)	$y = x^2 - 16x + 64$	$y = (x - 8)^2 \; 0$