

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) $y = x^2 - 6x + 5$	$y = (x - 3)^2 - 4$
b) $y = x^2 + 16x + 59$	$y = (x + 8)^2 - 5$
c) $y = x^2 - 4x + 3$	$y = (x - 2)^2 - 1$
d) $y = x^2 + 14x + 47$	$y = (x + 7)^2 - 2$
e) $y = x^2 + 4x + 2$	$y = (x + 2)^2 - 2$
f) $y = x^2 + 0x + 6$	$y = (x + 0)^2 + 6$
g) $y = x^2 - 8x + 12$	$y = (x - 4)^2 - 4$
h) $y = x^2 + 14x + 54$	$y = (x + 7)^2 + 5$
i) $y = x^2 - 14x + 49$	$y = (x - 7)^2 + 0$
j) $y = x^2 + 2x + 0$	$y = (x + 1)^2 - 1$
k) $y = x^2 - 14x + 55$	$y = (x - 7)^2 + 6$
l) $y = x^2 + 4x + 12$	$y = (x + 2)^2 + 8$
m) $y = x^2 + 12x + 28$	$y = (x + 6)^2 - 8$
n) $y = x^2 + 8x + 19$	$y = (x + 4)^2 + 3$
o) $y = x^2 + 14x + 43$	$y = (x + 7)^2 - 6$
p) $y = x^2 - 8x + 10$	$y = (x - 4)^2 - 6$
q) $y = x^2 - 6x + 1$	$y = (x - 3)^2 - 8$
r) $y = x^2 - 14x + 53$	$y = (x - 7)^2 + 4$
s) $y = x^2 - 4x + 2$	$y = (x - 2)^2 - 2$
t) $y = x^2 + 14x + 42$	$y = (x + 7)^2 - 7$
u) $y = x^2 - 8x + 13$	$y = (x - 4)^2 - 3$
v) $y = x^2 + 10x + 25$	$y = (x + 5)^2 + 0$
w) $y = x^2 + 16x + 71$	$y = (x + 8)^2 + 7$
x) $y = x^2 + 16x + 61$	$y = (x + 8)^2 - 3$
y) $y = x^2 - 4x + 9$	$y = (x - 2)^2 + 5$
z) $y = x^2 + 16x + 59$	$y = (x + 8)^2 - 5$