

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) $y = x^2 + 12x + 29$	$y = (x + 6)^2 - 7$
b) $y = x^2 - 2x + 3$	$y = (x - 1)^2 + 2$
c) $y = x^2 - 6x + 14$	$y = (x - 3)^2 + 5$
d) $y = x^2 - 14x + 48$	$y = (x - 7)^2 - 1$
e) $y = x^2 + 4x + 3$	$y = (x + 2)^2 - 1$
f) $y = x^2 + 12x + 39$	$y = (x + 6)^2 + 3$
g) $y = x^2 + 4x + 7$	$y = (x + 2)^2 + 3$
h) $y = x^2 - 6x + 4$	$y = (x - 3)^2 - 5$
i) $y = x^2 - 6x + 8$	$y = (x - 3)^2 - 1$
j) $y = x^2 - 8x + 12$	$y = (x - 4)^2 - 4$
k) $y = x^2 - 16x + 70$	$y = (x - 8)^2 + 6$
l) $y = x^2 - 16x + 62$	$y = (x - 8)^2 - 2$
m) $y = x^2 + 14x + 53$	$y = (x + 7)^2 + 4$
n) $y = x^2 - 14x + 44$	$y = (x - 7)^2 - 5$
o) $y = x^2 - 16x + 65$	$y = (x - 8)^2 + 1$
p) $y = x^2 - 14x + 43$	$y = (x - 7)^2 - 6$
q) $y = x^2 + 12x + 43$	$y = (x + 6)^2 + 7$
r) $y = x^2 - 10x + 33$	$y = (x - 5)^2 + 8$
s) $y = x^2 + 16x + 59$	$y = (x + 8)^2 - 5$
t) $y = x^2 - 8x + 23$	$y = (x - 4)^2 + 7$
u) $y = x^2 + 16x + 60$	$y = (x + 8)^2 - 4$
v) $y = x^2 + 10x + 27$	$y = (x + 5)^2 + 2$
w) $y = x^2 + 14x + 53$	$y = (x + 7)^2 + 4$
x) $y = x^2 + 14x + 50$	$y = (x + 7)^2 + 1$
y) $y = x^2 - 6x + 10$	$y = (x - 3)^2 + 1$
z) $y = x^2 - 6x + 10$	$y = (x - 3)^2 + 1$