

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) $y = x^2 + 8x + 20$	$y = (x + 4)^2 + 4$
b) $y = x^2 - 14x + 55$	$y = (x - 7)^2 + 6$
c) $y = x^2 - 8x + 16$	$y = (x - 4)^2 + 0$
d) $y = x^2 + 8x + 18$	$y = (x + 4)^2 + 2$
e) $y = x^2 + 8x + 23$	$y = (x + 4)^2 + 7$
f) $y = x^2 - 8x + 12$	$y = (x - 4)^2 - 4$
g) $y = x^2 - 16x + 72$	$y = (x - 8)^2 + 8$
h) $y = x^2 - 6x + 13$	$y = (x - 3)^2 + 4$
i) $y = x^2 - 4x + 7$	$y = (x - 2)^2 + 3$
j) $y = x^2 - 16x + 63$	$y = (x - 8)^2 - 1$
k) $y = x^2 - 8x + 15$	$y = (x - 4)^2 - 1$
l) $y = x^2 - 14x + 45$	$y = (x - 7)^2 - 4$
m) $y = x^2 + 0x + 6$	$y = (x + 0)^2 + 6$
n) $y = x^2 - 8x + 19$	$y = (x - 4)^2 + 3$
o) $y = x^2 - 8x + 22$	$y = (x - 4)^2 + 6$
p) $y = x^2 + 0x - 2$	$y = (x + 0)^2 - 2$
q) $y = x^2 - 4x + 0$	$y = (x - 2)^2 - 4$
r) $y = x^2 - 8x + 19$	$y = (x - 4)^2 + 3$
s) $y = x^2 + 14x + 44$	$y = (x + 7)^2 - 5$
t) $y = x^2 + 6x + 2$	$y = (x + 3)^2 - 7$
u) $y = x^2 + 10x + 28$	$y = (x + 5)^2 + 3$
v) $y = x^2 + 6x + 3$	$y = (x + 3)^2 - 6$
w) $y = x^2 + 6x + 3$	$y = (x + 3)^2 - 6$
x) $y = x^2 + 4x + 9$	$y = (x + 2)^2 + 5$
y) $y = x^2 - 2x + 4$	$y = (x - 1)^2 + 3$
z) $y = x^2 + 2x + 1$	$y = (x + 1)^2 + 0$