

Lineare Gleichungen

1.) Bestimme die Lösungsmenge.

a) $4x = 48$

$\Rightarrow x = 12$

b) $3x + 11 = 20$

$\Rightarrow x = 3$

c) $9x = 39 - 4x$

$\Rightarrow x = 3$

d) $16x + 19 = 5(4 + 3x)$

$\Rightarrow x = 1$

e) $13x + 10 = 2(6x + 7)$

$\Rightarrow x = 4$

f) $12 - (5-x) = 10$

$\Rightarrow x = 3$

g) $(x+5)(x-4) = x^2 - 15$

$\Rightarrow x = 5$

h) $(x - 3)^2 = x^2 - 3(x+1)$

$\Rightarrow x = 4$