Solving Two-Step Equations
Answers

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a) $2x + 4 = 14$

subtract 4
$2x = 10$
divide by 2
$x = 5$

b) $4x - 8 = 16$

add 8
$4x = 24$
divide by 4
$x = 6$

c) $\dfrac{x}{3} + 5 = 12$

subtract 5
$\dfrac{x}{3} = 7$
multiply by 3
$x = 21$

d) $6x - 1 = 65$

add 1
$6x = 66$
divide by 6
$x = 11$

e) $\dfrac{x}{9} - 3 = 2$

add 3
$\dfrac{x}{9} = 5$
multiply by 9
$x = 45$

f) $\dfrac{x}{12} + 6 = 10$

subtract 6
$\dfrac{x}{12} = 4$
multiply by 12
$x = 48$

g) $\dfrac{x}{2} - 9 = 2$

add 9
$\dfrac{x}{2} = 11$
multiply by 2
$x = 22$

h) $8x + 14 = 54$

subtract 14
$8x = 40$
divide by 8
$x = 5$

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