



Name: \_\_\_\_\_



Solve:

a)  $2x + 5 = 9$

$x = 2$

d)  $7x - 5 = 44$

$x = 7$

b)  $2x - 8 = 8$

$x = 8$

e)  $9x - 2 = 52$

$x = 6$

c)  $3x - 1 = 14$

$x = 5$

f)  $3a + 15 = 51$

$a = 12$

Solve:

g)  $\frac{x}{5} + 3 = 7$

$x = 20$

j)  $\frac{x}{2} - 5 = 9$

$x = 28$

h)  $\frac{x}{2} + 3 = 9$

$x = 12$

k)  $\frac{a}{8} + 7 = 3$

$a = -32$

i)  $\frac{x}{4} + 4 = 6$

$x = 8$

l)  $\frac{h}{11} - 4 = 6$

$h = 110$

Solve:

m)  $\frac{x+8}{3} = 3$

$x = 1$

o)  $\frac{a-11}{6} = 7$

$a = 53$

n)  $\frac{x-5}{2} = 3$

$x = 11$

p)  $\frac{x+2}{4} = -4$

$x = -18$

**Exam question:**

The diagram is a square with its dimensions shown.  
Find the value of  $x$ .

$11x + 5 = 38$

$11x = 33$

$x = 3$

38

 $11x + 5$ 