

# Re-arranging and solving one step equations

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



Solve the following equations:

a)  $x + 7 = 12$

**$x = 5$**

f)  $4 + b = 12$

**$b = 8$**

b)  $x - 5 = 10$

**$x = 15$**

g)  $6 + y = 24$

**$y = 16$**

c)  $x + 9 = 21$

**$x = 12$**

h)  $c - 7 = 5$

**$c = 12$**

d)  $4 + a = 10$

**$a = 6$**

i)  $7 - a = -2$

**$a = 9$**

e)  $6 + a = 42$

**$a = 36$**

j)  $6 - a = -8$

**$a = 14$**

Solve the following equations:

a)  $x - 2 = -3$

**$x = -1$**

d)  $4 - b = 7$

**$b = -3$**

b)  $x - 5 = -11$

**$x = -6$**

e)  $y - 7 = -9$

**$y = -2$**

c)  $5 - x = 7$

**$x = -2$**

f)  $-7 = b - 5$

**$b = -2$**

Solve the following equations:

a)  $4x = 40$

**$x = 10$**

f)  $\frac{x}{5} = 2$

**$x = 10$**

k)  $-4x = 24$

**$x = -6$**

b)  $7x = 35$

**$x = 5$**

g)  $\frac{x}{6} = 3$

**$x = 18$**

l)  $\frac{x}{-4} = 3$

**$x = -12$**

c)  $2x = 20$

**$x = 10$**

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

**$x = 6$**

m)  $-3x = -18$

**$x = 6$**

d)  $6x = 48$

**$x = 8$**

i)  $\frac{x}{7} = 20$

**$x = 140$**

n)  $-2x = 16$

**$x = -8$**

e)  $3x = 21$

**$x = 7$**

j)  $\frac{x}{4} = -2$

**$x = -8$**

o)  $-5x = -20$

**$x = 4$**

 **Exam question:**

The shape shown is a square.

Find the value of  $x$  in the diagram.

**$5x = 25$**

**$x = 5$**

