Name: .................................................................... Class: ...........................

one step equations: addition and subtraction

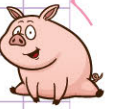Find the value of the following variables.

**a.**  $x + 9 = 27$

**b.**  $50 - 13 = a$

**c.**  $U + 10 = 69$

**d.**  $C - 19 = 41$

**e.**  $79 = S + 33$

**f.**  $Y + 23 = 51$

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one step equations: addition and subtraction

Find the value of the following variables.

**a.** x + 9 = 27

Let's subtract 9 from both sides
of the equation to find x
x + 9 = 27
x + 9 – 9 = 27 – 9
x = 22
So, x = 22

**b.** 50 - 13 = a

Let's subtract normally to find a
50 – 13 = a
37 = a
So, a = 37

**c.** U + 10 = 69

We need to subtract 9 from both sides
of the equation to find u.
U + 10 = 69
U + 10 – 10 = 69 – 10
= 59
So, u = 59

**d.** C – 19 = 41

Let's add 19 to both sides of the
equation to find c.
C – 19 = 41
C – 19 + 19 = 41 – 19
C = 22
So, c = 22

**e.** 79 = S + 33

We need to subtract 33 from both
sides of the equation to find S.
79 – 33 = S + 33 – 33
46 = S
So, S = 46.

**f.** Y + 23 = 51

To find y, let's subtract 23 from
both sides of the equation.
Y + 23 = 51
Y + 23 – 23 = 51 – 23
Y = 28.
So, Y = 28