

Name: Class:

Which x satisfies an equation?

1. What value of x is a solution to the equation $12 - x = 8$?
 $x = -4$ or $x = 4$

2. Solve the problems below and choose the answer from the list.

$60 - 20x = 20$

- $x = 4$
 $x = 3$
 $x = 2$
 $x = 1$

$1/2 + x/2 = 7$

- $x = 13$
 $x = 10$
 $x = 9$
 $x = 0$

$p/100 = 1/2$

- 20
 25
 100
 50

$45s = 270$

- $s = 5$
 $s = 6$
 $s = 10$
 $s = 3$



Name: Class:

Which x satisfies an equation?1. What value of x is a solution to the equation $12 - x = 8$?

$x = -4$ or $x = 4$

To find the solution, substitute each value of x into the equation $12 - x = 8$
substitute the value $x = -4$ into the equation

$12 - x = 8$

$12 - (-4) ? 8$

$12 + 4 ? 8$

$16 \neq 8$

No 16 is not equal to 8

So, the value $x = -4$ is not a solution to this equation.Try substituting the value $x = 4$ in to the equation

$12 - x = 8$

$12 - 4 ? 8$

Yes, $8 = 8$

So, the value $x = 4$ is a solution to this equation.

2. Solve the problems below and choose the answer from the list.

$60 - 20x = 20$



$x = 4$



$x = 3$



$x = 2$



$x = 1$

$1/2 + x/2 = 7$



$x = 13$



$x = 10$



$x = 9$



$x = 0$

$p/100 = 1/2$



20



25



100



50

$45s = 270$



$s = 5$



$s = 6$



$s = 10$



$s = 3$

