What is the opposite operation?

Operation	Inverse
+	-
-	+
Х	-
÷	X

Inverse operations "undo" or reverse each other's results.

Addition and Subtraction are inverse operations Multiplication and Division are inverse operations

One Step Equations (Add/Subtract): Solve, then verify

Solve	Verify
x + 2 = 10	X + 2 = 10 $(8) + 2 = 10$
× = 8	10 = 10
x - 5 = -1 $+5$ $+5$	x-5=-1 (4)-5=-1 -1=-1
$-4 + x = -2$ $+4$ $\times = 2$	$-4 + \chi = -2$ -4 + (2) = -2 -2 = -2

One Step Equations (Multiply/Divide): Solve, then verify

One otep Equations (Multiply/Divide):			
Solve	Verify		
$\frac{4x}{4} = \frac{16}{4}$ $x = 4$	4x=16 4(4)=16 16=16		
-3x = -15 -3 x = 5	-3x = -15 -3(5) = -15 -15 = -15		
$\frac{x}{3} \times 3 = -2 \times 3$ $x = -6$	$\frac{x}{3} = -2$ $\frac{-6}{3} = -2$ $-2 = -2$		
Two Step Equations: Solve, the			

Solve	Verify	
4d + 3 = 27 $4d = 24$ $d = 6$	4d + 3 = 27 $4(6) + 3 = 27$ $24 + 3 = 27$ $27 = 27$	
9d - 1 = 35 $4d = 36$ $4 = 4$	9d-1=35 9(4)-1=35 3b-1=35 35=35/	
5 - 2x = 6 5 - 2x = 6 -2x = 1 -2 = -1 -2 = -1 -2 = -1 -2 = -1	5-2x=6 5-2(-0.5)=6 5-(-1)=6 6=6	

Two Step Equations: Solve, then verify

Solve	Verify
$\frac{x}{3} + 2^{2} = 10^{-2}$ $\frac{x}{3} = 8^{\times 3}$ $x = 24$	$\frac{2}{3}$ + 2 = 10 $\frac{34}{3}$ + 2 = 10 8 + 2 = 10 10 = 10
x - x	-2 + x = 7

Two Step Equations: Solve, then verify

Solve	Verify
$\frac{4x}{5} \stackrel{\checkmark}{=} 4^{\checkmark5}$	$\frac{4x}{5} = 4$
$\frac{5}{4x} = \frac{20}{4}$ $x = 5$	$4(5) = 4$ $\frac{20}{5} = 4$ $4 = 41$ $3 = 10$
$\frac{1}{4}x + 2^{2} = 10^{2}$ $\frac{1}{4}x^{2} = 10^{2}$	$\frac{1}{4} \times 12 = 10$ $\frac{78+2}{10} = 101$
$4 \times = 8 \times 4 = 32$	$\frac{1}{4}(32) + 2 = 10.$ $\frac{32}{4} + 2 = 10.$

40			
			* .