2 ways to show a check

Claude solved this equation and got

$X = 2$ $\qquad 2x - 10x = -4$

Show a check to see if he is correct

① Write original equation

② Substitute 2 for x
Put ? on = sign
Follow order of operations

③ $X = 2$ does not work since we get a contradiction

Check

$2x - 10x = -4$

$2(2) - 10(2) \stackrel{?}{=} -4$

$4 - 20 \stackrel{?}{=} -4$

$-16 \neq -4$

(or)

T-Check

$2x - 10x = -4$

$2(2) - 10(2)$

$4 - 20$

-16 $\qquad -4$

$\not=$