Math test corrections

Use one sheet per problem. Keep your original work beside your correction.

Name Fictional student **Date** Oct 15

Assignment Two-step equation quiz **Problem #** 3

1 Copy the problem and your original work

Include the line where your work first went off track.

Original problem

$5 - 2x = 13$

My original steps and answer

$-2x = 8$

$x = 4$

2 Find the first mistake

Quote the first incorrect line and explain why it is incorrect.

My first incorrect line was $x = 4$. I divided 8 by -2 and dropped the minus sign.

A positive divided by a negative gives a negative result.

3 Show the correction

Start with the original problem, show each step, and check your answer.

$5 - 2x = 13$

Subtract 5 from both sides to get $-2x = 8$.

Divide both sides by -2 to get $x = -4$.

Check by substitution. $5 - 2(-4) = 5 + 8 = 13$.

4 Try the same skill on a new problem

Use a similar problem from your teacher. Show your work and check it.

$7 - 3x = 19$

Subtract 7 from both sides to get $-3x = 12$.

Divide both sides by -3 to get $x = -4$.

Check by substitution. $7 - 3(-4) = 7 + 12 = 19$.

Teacher review (optional) ☑ Verified ☐ Revise and resubmit

You caught the sign error and checked both answers by substitution.