

## Algebra Test 5

Algebra Teacher's Guide Version 3: problems in answer key are often mislabeled. For example, Test 5 Answer Key starts with 36, which it should start with number 1. That is corrected in Version 4 of the Teacher's Guide, [which you can download here](#).

- Test 5 Number 2 b, answer should be  $\sqrt{x}/x^2$  NOT the  $5x^2(\sqrt{x})$  that is shown (VERSION 3 AND 4 have this error)
- Test 5 Number 7 (shown as number 42 in answer key of version 3), you are multiplying by the conjugate there, so the final answer should have the  $\sqrt{6} + 1$  NOT the  $\sqrt{6} - 1$  that is shown
- Test 5 Number 11 (shown as 46 in answer key of version 4), the answer key has the correct problem. This problem was taken from page 603, number 14 (g), which uses  $\sqrt{(x-7)}$ . The student's test shows  $\sqrt{(x+7)}$ , when the student should be working the problem that is shown in the answer key. Just change their plus sign to a minus and let them have at it :)

Possible points is 75 instead of 51.

Problem 19 should be worth 4 points

Problem 34 is missing an "=" sign

The answer key:

- 1) The answer to 3.b is  $(x)^{.5}/x$ .
- 2) The answer to 12.c is -3.5, 0, 1.5.
- 3) Problem 20 should have parts a,b,c, and d instead of e,f,g, and h.
- 4) Problem 32.b cannot be reduced as  $x^2+2x+1 = (x+1)^2$ .