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ACCUPLACER PREP FOR ELEMENTARY ALGEBRA TEST

Accuplacer Sample Questions:

<https://accuplacerpractice.collegeboard.org/>

<https://www.accuplacerpractice.com/>

Extra help for problems on the [Elementary Algebra Test](#). If you miss or do not know how to start answering the question, check out the links for explanation and additional practice.

1. Writing algebraic equations from a word problem.
 - a. <https://www.khanacademy.org/math/algebra/linear-word-problems#constructing-linear-models>
 - b. http://www.algebralab.org/lessons/lesson.aspx?file=Algebra_OneVariableWritingEquations.xml
2. Radical operations
 - a. <https://www.khanacademy.org/math/algebra-home/alg-exp-and-log/miscellaneous-radicals/v/simplifying-square-root-expressions-no-variables>
 - b. <https://www.purplemath.com/modules/radicals2.htm>
3. Evaluating expressions
 - a. <https://www.khanacademy.org/math/algebra/introduction-to-algebra#alg1-substitution>
 - b. <http://www.purplemath.com/modules/evaluate.htm>
4. Area of circles
 - a. <https://www.khanacademy.org/math/basic-geo/basic-geo-area-and-perimeter#area-circumference-circle3>
 - b. https://www.khanacademy.org/math/geometry/hs-geo-foundations/hs-geo-area/e/shaded_areas
5. Use FOIL method to factor equations
 - a. <https://www.khanacademy.org/math/algebra/introduction-to-polynomial-expressions#special-products-of-polynomials>
 - b. <http://www.coolmath.com/prealgebra/15-intro-to-polynomials/06-polynomials-multiplying-foil-01-108>
6. Simplifying rational expressions with polynomials
 - a. <https://www.khanacademy.org/math/algebra2/rational-expressions-equations-and-functions/simplify-rational-expressions/a/intro-to-simplifying-rational-expressions>
 - b. <http://www.purplemath.com/modules/rtnldefs2.htm>
7. Order of operations
 - a. <https://www.khanacademy.org/math/arithmetic/arith-review-negative-numbers#arith-review-sub-neg-intro>
 - b. <https://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-negative-numbers-multiply-and-divide#cc-7th-mult-div-fractions-2>
8. Solving equations

- a. <https://www.khanacademy.org/math/algebra/one-variable-linear-equations#alg1-equations-with-parentheses>
 - b. <http://www.purplemath.com/modules/solvelin4.htm>
9. Order of operations
- a. <https://www.khanacademy.org/math/algebra-basics/basic-alg-foundations/alg-basics-order-of-operations/v/order-of-operations-1>
 - b. <http://www.purplemath.com/modules/orderops.htm>
10. Solving inequalities
- a. <https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities#alg1-two-step-inequalities>
 - b. <http://www.purplemath.com/modules/ineqsolv.htm>
11. Ordering
- a. <https://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-negative-number-topic/cc-6th-comparing-negative-numbers/a/ordering-negative-numbers>
 - b. <https://www.khanacademy.org/math/arithmetric/fraction-arithmetic/arith-review-comparing-fractions/v/ordering-fractions>
12. Checking solutions
- a. <https://www.khanacademy.org/math/algebra/one-variable-linear-equations/alg1-intro-equations/a/introduction-to-equations>
 - b. <https://www.mathsisfun.com/algebra/equations-solving.html>
13. Adding rational expressions
- a. <https://www.khanacademy.org/math/algebra2/rational-expressions-equations-and-functions/adding-and-subtracting-rational-expressions/v/adding-and-subtracting-rational-expressions-with-like-denominators>
 - b. <http://www.purplemath.com/modules/rtnladd.htm>
14. Graphing inequalities
- a. https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/alg1-inequalities/e/inequalities_on_a_number_line
 - b. <https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/multi-step-inequalities/v/multi-step-inequalities-3>
15. Solving system of equations
- a. <https://www.khanacademy.org/math/algebra-home/alg-system-of-equations>
 - b. <http://www.purplemath.com/modules/systlin2.htm>
16. Factoring
- a. <https://www.khanacademy.org/math/algebra/polynomial-factorization/factoring-quadratics-1/a/factoring-simple-quadratics-review>
 - b. <http://www.purplemath.com/modules/factquad.htm>
17. Dividing by monomials
- a. <https://www.khanacademy.org/math/algebra2/arithmetric-with-polynomials/practice-dividing-polynomials-with-remainders/v/polynomial-divided-by-monomial>
 - b. <http://www.coolmath.com/algebra/05-division-of-polynomials/01-dividing-by-monomials-01>
18. Word problem perimeter and area

- a. <https://www.khanacademy.org/math/pre-algebra/pre-algebra-measurement/prealgebra-perimeter/v/length-and-width-from-perimeter-and-area>
- b. http://www.algebralab.org/Word/Word.aspx?file=Geometry_AreaPerimeterRectangles.xml

19. Basic rate problems

- a. <https://www.khanacademy.org/math/pre-algebra/pre-algebra-ratios-rates/pre-algebra-rates/a/rate-review>