



Can't answer these? You will likely have to take at least a year of remedial math before enrolling in a transferable course

# /III. Exponents & polynomials

Simplify and write answers with positive exponents.

$$(3x^{2}-5x-6)+(5x^{2}+4x+4)$$

$$(3x^{2}-5x-6)+(5x^{2}+4x+4)$$

$$(3x^{2}-5x)^{-2}$$

$$(3x^{3}b^{-7}c^{3})^{2}$$

$$(3x^{0}y^{5}z^{6})(-2xy^{3}z^{-2})$$

$$(3x^{0}y^{5}z^{6})(-2xy^{3}z^{-2})$$

$$(-a^{5}b^{7}c^{9})^{4}$$

$$(-a^{5}b^{7}c^{9})^{4}$$

$$(4x^{2}y^{6}z)^{2}(-x^{-2}y^{3}z^{4})^{6}$$

$$(5a+6)^{2}$$

#### The correct choice is C.

When expressions have more than one operation, follow rules for the order of operations: 1. First do all operations that lie inside parentheses. 2. Complete operations that involve exponents or radicals. 3. Working from left to right, do all multiplication and division. 4. Finally, working from left to right, do all addition and subtraction. Solution:  $16 - 3(8 - 3)^2 + 5$ 16-3(5)<sup>2</sup>+5

16-3(25)+5 16 - 75 + 5

16-15

1

$$(2x+3)(4x-1) < 8x^{2} + 1$$
  

$$2x \times 4x + 2x \times (-1) + 3 \times 4x + 3 \times (-1) < 8x^{2} + 1$$
  

$$8x^{2} - 2x + 12x - 3 < 8x^{2} + 1$$
  

$$8x^{2} + 10x - 3 < 8x^{2} + 1$$
  

$$10x - 3 + 3 < 1 + 3$$
  

$$10x < 4$$

 $x < \frac{1}{10}$ X < 0.4

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11	5/2+10 <sup>4</sup> -		<ol> <li>The verticity to her believen four. The four interception and measures if but by \$ feet. 17 1 class \$3,50 per square fast for the materials, what is the total cash of the materials for ting the believen four?</li> </ol>	
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uniquely shaped triangles:

**Right Triangles and Trigonometric Functions** 

these trigonometric functions are easily determined.

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Introduction to Accuplacer College dath

College Math nstruction Factoring and Algebraic Fractions Solving Algebraic Word Problems Principles of Geometry Similarity, Congruence, Parallelism, and Perpendicularity Sequences Involving Exponential Growth Absolute Value Exponents Function Notation Functions - Domain an Range Linear Functions Quadratic Functions Right Triangles and Trigonometric Funct Determinants Permutations Combinations College Math Practice Tests

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45 1 In a 45° - 45° - 90° triangle, the lengths of the sides opposite those angles are in the ratio 1:1: v2, respectively. In a 30" - 60" - 90" triangle, the lengths of the sides opposite those angles are in the ratio 1: <3:2, respectively. Accordingly, the sine, cosine, and tangent functions of the 30°, 45°, 60°, angles of any right triangle are as follows:

In right triangles with angles 45°-45°-90° and 30°-60°-90°, the values of

5

The following figures show the ratios among the sides of these two

45° - 45° - 90° triangle: 30° - 60° - 90° triangle:  $\sin 45^{\circ} = \cos 45^{\circ} = \frac{\sqrt{2}}{2}$  $sin30^{\circ} = cos60^{\circ} =$  $\sin 60^\circ = \cos 30^\circ = \frac{\sqrt{3}}{2}$  $\tan 45^\circ = 1$ tan 30° = tan60° = \3

In problems involving 30°-60°-90° and 45°-45°-90° right triangles, as

long as the length of one side is provided, you can use these trigonometric functions to determine the length of any other side-as an alternative to applying the Pythagorean theorem.

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### Practice accuplacer math test answer key.

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The questions of this test fit into having some elementary skills algà © Bills: Operates with  $\mu$  integers and rational numbers Operates with express  $\mu$  algÃos algÃobes Soluçã de Equa Understanding of what is valid Identification of main identi RECALPUCCA od a§Änetnes ed sedadilibah arbeglÄ ed acit;ÄrP ed setseT RECALPUCCA acit;ÄrP ed sets ,ossid zev mE .etset o odanimret ret ed sioped rodatupmoc ues od £Ãrce on ¡Ãrecerapa o£Ã§Ãautnop ed oir³Ãtaler ues O .ossecus ed secnahc saus razimixam ed mif a ,odacoloc res eved agehc euq onula o edno ranimreted arap ocits³Ãngaid ed atnemarref amu omoc odasu ¡Ãres RECALPUCCA on ohnepmesed O .roirepus onisne ed o£Ã§Ãiutitsni amun ertne euq aossep reuglaug arap etnatropmi ossap mu ©Ã RECALPUCCA etseT O .rartnecnoc es ed asicerp euq me saerjà sa rartsom ehl arap siaer RECALPUCCA etset on "ahlaf" uo "megassap" ;Ãh o£Ãn eug ed es-erbmeL .ejoh o£Ã§Ãacude aus an ossap omix<sup>3</sup>Ãrp o rad assop eug arap RECALPUCCA socit; Arp setset so e siev Anopsid odutse ed siairetam so sodot razilitu a ; Atse euq ed es-euqifitreC .setset so sodot rezaf a sodagirbo res of a sodagi socit; Arp setset so sodot ezilitu a Acov euq lev; Adnemocer ©A, as a atioiam a omoC .sit; Arg etnematulos a enino sodartnocne res medop sosrucer setsed sotiuM .of As a locse amun etieca @A odnauq sadairporpa samrut san odacoloc res a aduja o euq ocits Angaid ed atnemarref amu etnemselpmis Ã. sadacilpa res medop saxat siaug ranimreted ed mif a o£Ã§Ãiutitsni aus moc racifirev ed es-eugifitreC. ocim©Ãdaca ossecus o arap ovitacifingis rodacidni mu o£Ãs eug. otadidnac mu ed atircse ed sedadicapac sa ailava recalpetirW RECALPUCCA etset Ô) otircsE oiasnE( recalpetirW sesarf sairiÃv ertne seuçÃaleR esarf acin<sup>o</sup>Ã amu ed )acig<sup>3</sup>Ãl ed atlaf uo(acig<sup>3</sup>ÃL Mathematics Practice Tests for Collapse AccuPlacer Reading Protection Tests 1AccuPlacer Reading Protection Tests Reading Protection Tests Reading Protection Tests Reading Protection Tests 4Acplacer Reading Protection Tests 4Acplacer Reading Protection Tests 4Acplacer Reading Protection Tests 8 1Cuplacer Sentencing Pr Skills Test 2Cuplacer Sentence Specence Pr Skills Tests 3 Recommended Accuplacer Practice Tests and Sample µ provide additional Collegeboard free accuplacer practice tests. 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