
Imaginary Numbers Worksheet With Answers

simplifying radicals/imaginary numbers worksheet date period - ©m 12 031 61d xksuit jas lsxoyfat iw kakrkeh rl ylh3.z a ia plmlc vr5i0gahat js n xr geus1e0rkv jeyd 0.i l rmea 8d 8ej pw ei nt fhx zionwfyiwn biatae y axlbgke ber 0ax c2 i.l worksheet by kuta software llc answers to simplifying radicals/imaginary numbers worksheet 1) 7 7 3) 3 6 5) 7i 3 7) 6i 2 9) 2 2 11) 8i 2 13) $-4 - i$ 15) $2 - 14i$ **complex numbers and powers of i** - complex numbers and powers of i the number - is the unique number for which $i^2 = -1$ and $i = \sqrt{-1}$. imaginary number - any number that can be written in the form $a + bi$, where ... all imaginary numbers and the set of all real numbers is the set of complex numbers. addition / subtraction - combine like terms (i.e. the real parts with real ... **operations with complex numbers - kuta software llc** - ©f i2 n0o12f ekunt la i zs3onf mtmwtaqurec 0lwlocx.o f ha jl jln drdiag ght sc fr 1ersve1r2vte od p.a g mxacdde 9 9waiht5hb 1i2nafuizn zibtmev fa sl agesb 7rfa g g2d.z worksheet by kuta software llc kuta software - infinite algebra 2 name _____ operations with complex numbers date _____ period _____ simplify. **complex numbers revision sheet - cnocmhuiregranard** - complex numbers revision sheet - question 4 of paper 1 introduction complex numbers are numbers that have a real part and an imaginary part. the real part will be a number such as 3. the imaginary part is represented by the letter i. $3 + i$ examples - $4 - 3i$ real part - 4, imaginary part $3i$ $3 - 2i$ real part + 3, imaginary part $2i$ **imaginary and complex numbers** - imaginary and complex numbers practice simplify: 1) $(4 + 2i) + (-3 - 5i)$ 2) $(-3 + 4i) - (5 + 2i)$ 3) $(-8 - 7i) - (5 - 4i)$ 4) $(3 - 2i)(5 + 4i)$ **radicals - complex numbers** - with the square root of negative numbers mathematicians have defined what are called imaginary and complex numbers. definition of imaginary numbers: $i^2 = -1$ (thus $i = \sqrt{-1}$) examples of imaginary numbers include $3i$, $-6i$, $3 + 5i$ and $3 + 5\sqrt{-1}$. a complex number is one that contains both a real and imaginary part, such as $2 + 5i$. **adding and subtracting complex numbers** - answers to adding and subtracting complex numbers 1) $5i$ 2) $-12i$ 3) $-9i$ 4) $3 + 2i$ 5) $3i$ 6) $7i$ 7) $-7i$ 8) $-9 + 8i$ 9) $7 - i$ 10) $13 - 12i$ 11) $8 - 11i$ 12) $7 + 8i$ **complex numbers - miami dade college** - complex numbers name _____ multiple choice. choose the one alternative that best completes the statement or answers the question. provide an appropriate response. 1) true or false? $i = -1$ 1) a) true b) false write the number as a product of a real number and i. simplify the radical expression. **properties of complex numbers - kuta software llc** - properties of complex numbers date _____ period _____ find the absolute value of each complex number. ... qail olq jr ci og4h itosr wrweksve3r 0vie udv. a r rmna wdge r 5w fictmhf kivn8fzibnoi wtue c awlfg ceqb 9rtaw j2 r.q worksheet by kuta software llc ... imaginary identify each complex number graphed. 17) real imaginary $-5 - 4i$ 18) real ... **rationalizing imaginary denominators - kuta software llc** - ©z d20u1m2s hkuct9ad 5s ao sftygw ra 3r iep nlblxcy.q g qael zln 8rviigvh jtjs 4 8ruezs2elrpvgehdo.t u smnaidpel iwiyntth e 0iannf4i6nyi wtqep 0a olwg6e tb xr4ab w20. m worksheet by kuta software llc kuta software - infinite algebra 2 name _____ rationalizing imaginary denominators date _____ period _____ **solving quadratics with imaginary solutions** - worksheet by kuta software llc algebra 2 solving quadratics with imaginary solutions name _____ date _____ period _____ ©m m2o0m1_6k gk_ultyaq hsqotffttwwalrmed qlulvcm.n s aavllm mroi hgchdfts` mrhexsoeirzvmrdf.-1-solve each equation with the quadratic formula. 1) $10x^2 - 4x + 10 = 0$ 2) $x^2 - 6x + 12 = 0$

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