

ALGEBRA 2

Tues., Oct. 7/Wed., Oct. 8

Square Roots Handout

Thurs., Oct. 9/Fri., Oct. 10

Sec. 3.2 pp. 108-110

5, 7, 9, 11, 21, 23, 40, 43, 53, 61, 63, 64
69, 73, and the problems at the right

a) $\sqrt{-3} \cdot \sqrt{-48}$ b) $\sqrt{-8} \cdot \sqrt{-45}$ c) $2i^{35} - 3i^{109} + i^{200}$

d) $\frac{-5-3i}{4i}$ e) $\frac{2+5i}{5+2i}$ f) $\frac{-7+6i}{9-4i}$

Tues., Oct. 14/Wed., Oct. 15

**Quest over Square Roots
& Complex Numbers**

Journal Due

**Portfolios Due
Next Class!**

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ANSWERS

Sec. 3.2 pp. 108-110

40. $86 - 2i$

64. Squaring a complex number requires foiling.

a) -12

b) $-6\sqrt{10}$

c) $1 - 5i$

d). $\frac{-3+5i}{4}$

e). $\frac{20+21i}{29}$

f) $\frac{-87+26i}{97}$

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