

King Fahd University of Petroleum & Minerals
Faculty of Science, Math P-Y
Math 001 Quiz # 6

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Name:

Section #:

ST.ID #:

Solve the following equations:

a) $(x - 5)^2 = -4$

b) $(x - 1)(x + 2) = 4$

d) $2x^2 + 4x - 8 = 0$ Use Complete square

e) $x^3 - 4x^2 - 2x + 8 = 0$

$(x - 5)^{\frac{3}{2}} = 125$

f)

g) $2(x+1)^{\frac{1}{2}} - 11(x+1)^{\frac{1}{4}} = -12$

h) $8x - 38\sqrt{x} + 9 = 0$

3) The perimeter of a rectangle is 27 ft & its area is 35 ft. Find the length & width of the rectangle.

4) Simplify $-i^{202}$

5) Find the conjugate of $\frac{3 + 5i}{4 + i}$