

King Fahd University of Petroleum and Minerals
Math001
Quiz(1.3,1.4,1.5)

Name: _____, ID#: _____, Sec#: _____

1-Solve the equation $3x^2 - 8x + 1 = 0$ by completing the square.

2- Find The values of k such that the equation $-3x^2 + kx - 4 = 0$ has at least one real solution.

3-Use the power principle to solve the equation $\sqrt{2x+1}-\sqrt{2x-5}=2$.

4-Solve the equation $(3x-5)^{\frac{2}{3}}+6(3x-5)^{\frac{1}{3}}=-8$.

5- Use the critical value method to solve the inequality $\frac{x}{3x-5} \leq -5$.