

**King Fahd University of Petroleum and Minerals**  
**Math Prep-Year Program**  
**Math 001-Term 061 - Quiz 3**

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**Name:** \_\_\_\_\_ **SEC** \_\_\_\_\_ **ID#:** \_\_\_\_\_

Solve the following equations:

1.  $(x-2)^{\frac{1}{2}} - (3-x)^{\frac{1}{2}} - 1 = 0$

2.  $(x+1)^{\frac{2}{3}} - 3(x+1)^{\frac{1}{3}} = -2$