

King Fahd University of Petroleum & Minerals
Department of Mathematics and Statistics
(Semester 172) Math 102 Quiz # 6

Name: _____ I.D. # _____ Sr. # _____

1. Determine whether the series $\sum_{n=1}^{\infty} \frac{\sqrt[3]{n} - 1}{n(\sqrt{n} + 1)}$ converges or diverges. Justify your answer.

2. Determine whether $\sum_{k=1}^{\infty} \frac{k!}{e^{k^2}}$ converges or diverges. Justify your answer.