

Ministry of Higher Education
zing Iald OIniuersily of Petroleum \& fllinerals
Electrical Engineering Department


وزارة التعــّالـيم الـــــي

قسـم الهندسـة الكهربائيـة

| Name: | Section: 1 | Quiz: 2 |
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| Student ID: |  |  |

Draw $\mathrm{V}_{\text {out }}$ versus $\mathrm{V}_{\text {in }}$ for the shown circuit assuming $\mathrm{V}_{\mathrm{U}}$ is +5 V and $\mathrm{V}_{\mathrm{L}}$ is +3 V , the opamp output is limited between +12 and -12 V .


