Answers to Section 4.6 QUESTIONS

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Try yourself 4.6

1) PH of 0.0295 M HNO3

pH = -log[H^+] = -log[HNO3]
= -log 0.0295
pH = 1.53
2) PH of 0.040 M NaOH

Remember that this is an alkaline solution, so you can not work out the pH directly. You need to do a conversion.

[OH] = 0.040 \text{ M} : pOH = -log 0.040
= 1.39
= 14 - l.39
= 12.61
```