

## ANSWERS TO "TRY YOURSELF" PROBLEMS FROM STUDY SECTION 8.4

### Try Yourself 8.4 a

What is the  $pK_a$  value for the conjugate acid of ammonia?

- a) 4.74
- b) 9.25
- c) 5.60
- d) 7.00

### Try Yourself 8.4 b

Which of the following has a  $pK_a$  value of 4.20?

- a) Benzoic acid,  $C_6H_5CO_2H$
- b) Acetic acid,  $CH_3CO_2H$
- c) Metanoic acid,  $HCO_2H$
- d) Hydrofluoric acid, HF