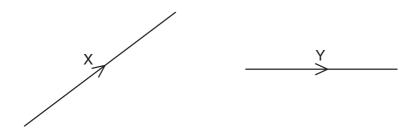
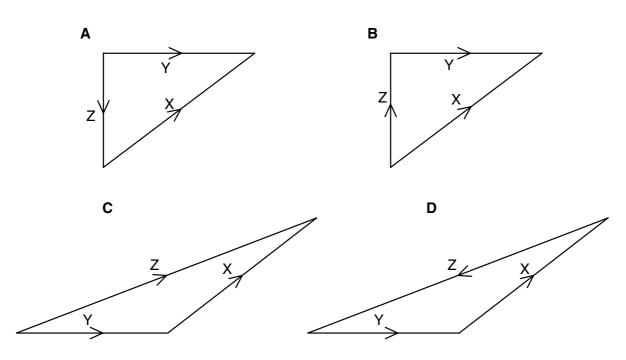
- Which of the following pairs of units are both SI base units?
  - ampere, degree celsius
  - В ampere, kelvin
  - C coulomb, degree celsius
  - D coulomb, kelvin
- 2 The diagram shows two vectors X and Y.



In which vector triangle does the vector Z show the magnitude and direction of vector X – Y?



- Which formula could be correct for the speed v of ocean waves in terms of the density  $\rho$  of sea-3 water, the acceleration of free fall g, the depth h of the ocean and the wavelength  $\lambda$ ?

- **A**  $v = \sqrt{g\lambda}$  **B**  $v = \sqrt{\frac{g}{h}}$  **C**  $v = \sqrt{\rho gh}$  **D**  $v = \sqrt{\frac{g}{\rho}}$