

**3** The distances to stars can be determined using trigonometric parallax.

Star X has twice the parallax angle of Star Y.

Which of the following statements is correct?

- ☐ **A** The distance of Star X from Earth is twice the distance of Star Y from Earth.
- ☐ **B** The distance of Star X from Earth is four times the distance of Star Y from Earth.
- ☐ **C** The distance of Star Y from Earth is twice the distance of Star X from Earth.
- ☐ **D** The distance of Star Y from Earth is four times the distance of Star X from Earth.

**(Total for Question 3 = 1 mark)**