

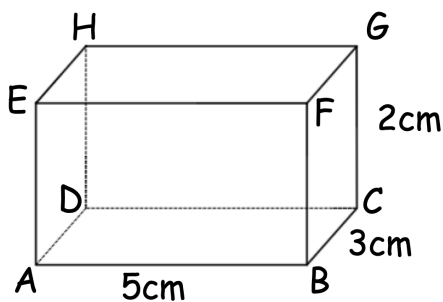


A helicopter flies 15 miles north-east and then 25 miles south-east.

How far, in a straight line, is the helicopter from its starting position?

Solve, giving your answers to one decimal place.

$$2x^2 - x - 9 = 0$$



Find the length of CE

$$B = \frac{(x + 2)(x - 2)}{(x - 3)(x - 5)}$$

Find B when  $x = -2$

When  $0 < x < 2$  decide if:

B is positive

B is negative

B is zero

B could be negative or positive