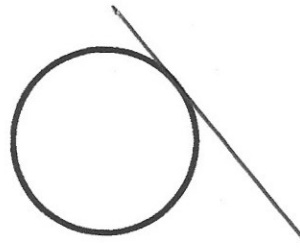


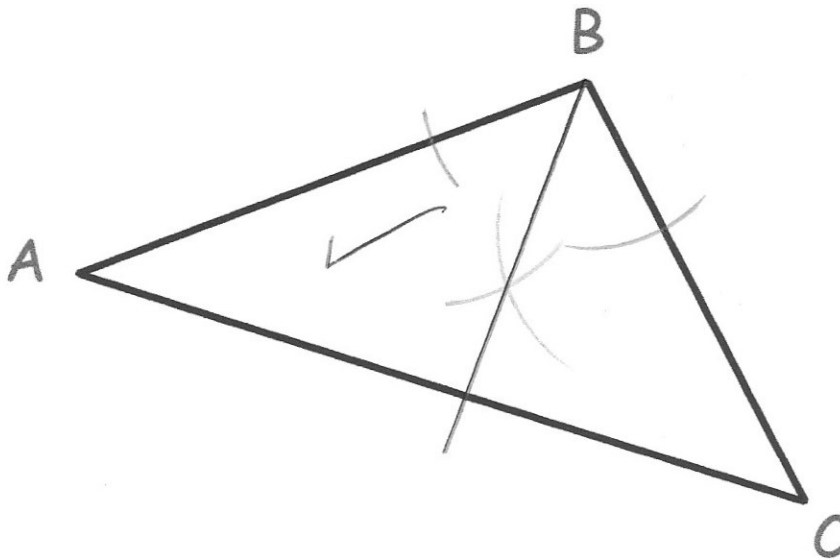


Draw a segment



Draw a tangent

A tree is planted in triangular field ABC. It is planted closer to AB than BC
Show the possible locations the tree can be planted



How long will it take an athlete to run 6000m at an average speed of 3 metres per second?

Give your answer in minutes and seconds.

$$t = \frac{d}{s} = \frac{6000}{3} = 2000 \text{ seconds}$$

33 mins 20 seconds

Solve the simultaneous equations

$$5x - 3y = 33 \quad \times 3$$

$$3x - 9y = 63$$

$$9 - 9y = 63$$

$$-9y = 54$$

$$y = -6$$

$$15x - 9y = 99$$

$$3x - 9y = 63$$

$$\hline 12x = 36$$

$$x = 3$$

$$y = -6$$