

Starter for Lesson 5

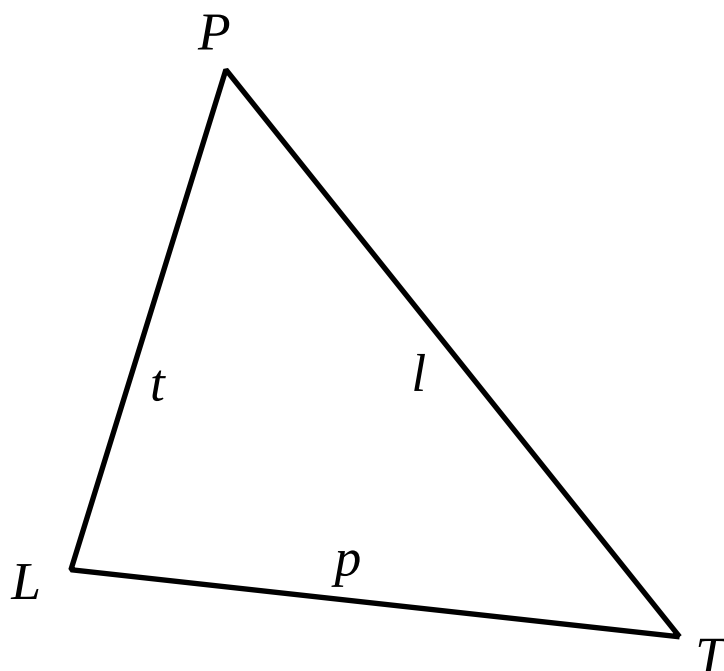
GCSE Mathematics Non-Right Angled Trigonometry

5.start.1 $\triangle TLP$ (Three Little Pigs)

You are reminded that in examinations you will be told the cosine rule:

$$a^2 = b^2 + c^2 - 2bc \cos A$$

Consider this triangle:



Write down the cosine rule formula you would use to find the length of side p

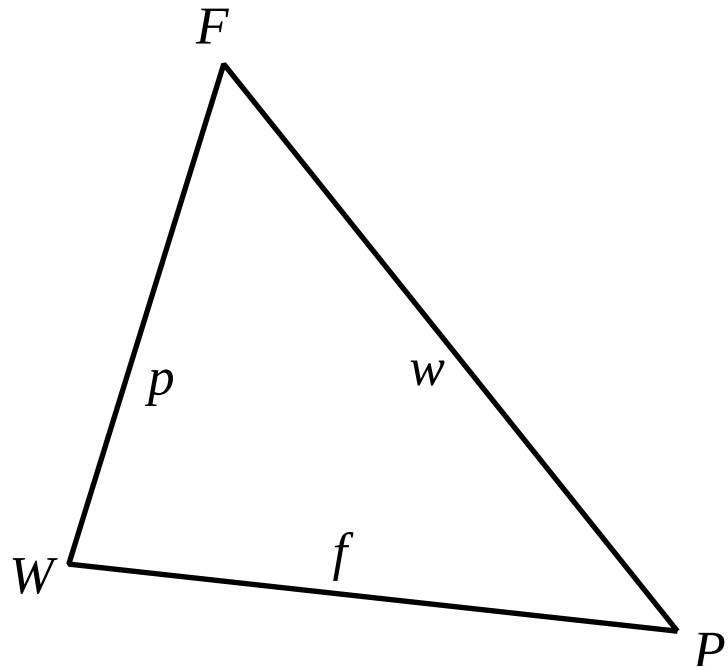
$$p^2 =$$

5.start.2 $\triangle PWF$ (Pigs Will Fly)

You are reminded that in examinations you will be told the cosine rule:

$$a^2 = b^2 + c^2 - 2bc \cos A$$

Consider this triangle:



Write down the cosine rule formula you would use to find the length of side w

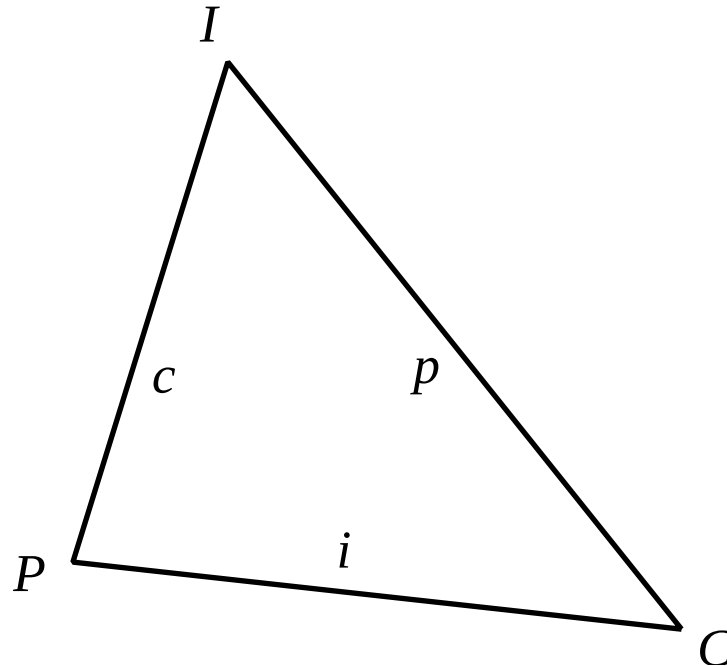
$$w^2 =$$

5.start.3 $\triangle PIC$ (Pigs In Clover)

You are reminded that in examinations you will be told the cosine rule:

$$a^2 = b^2 + c^2 - 2bc \cos A$$

Consider this triangle:



- (i) Write down the cosine rule formula you would use to find length p

$$p^2 =$$

- (ii) Write down the cosine rule formula you would use to find length i

$$i^2 =$$

- (iii) Write down the cosine rule formula you would use to find length c

$$c^2 =$$