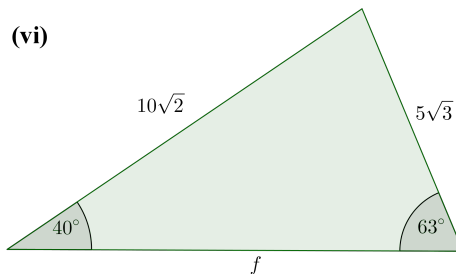
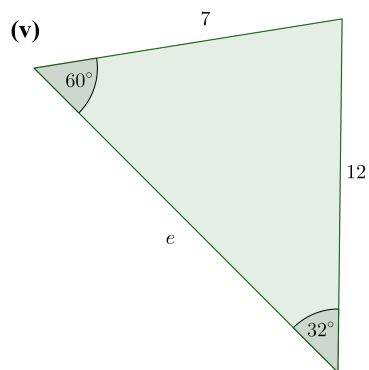
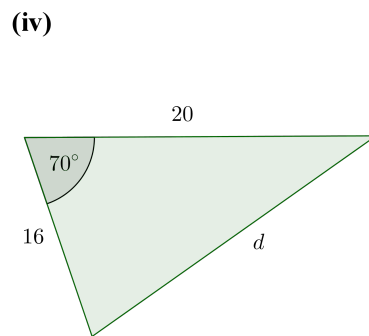
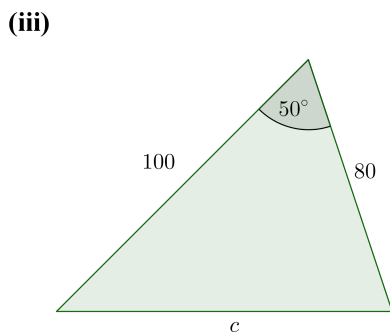
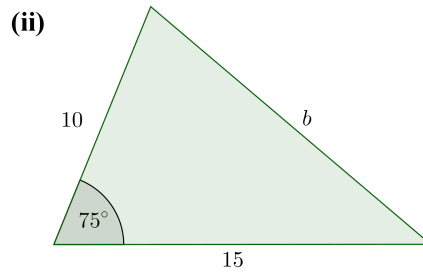
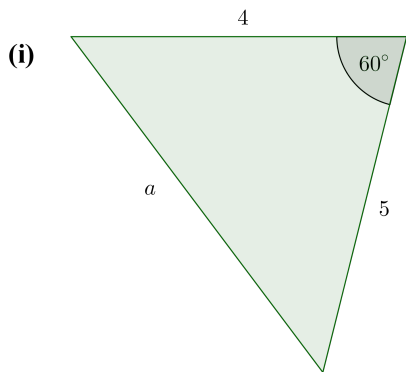
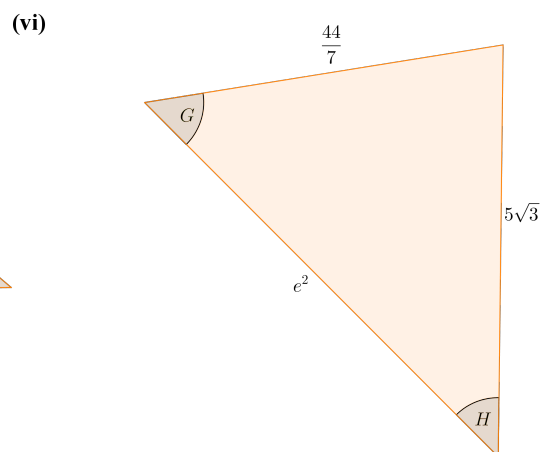
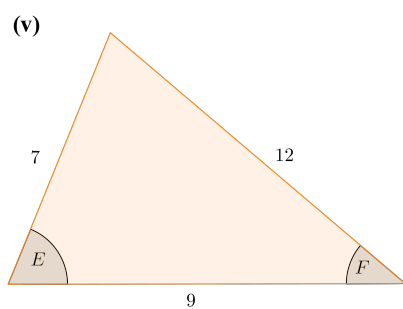
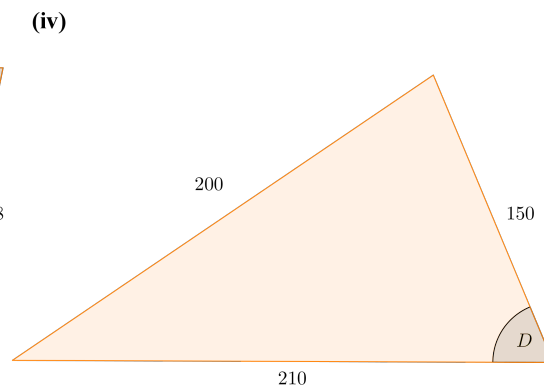
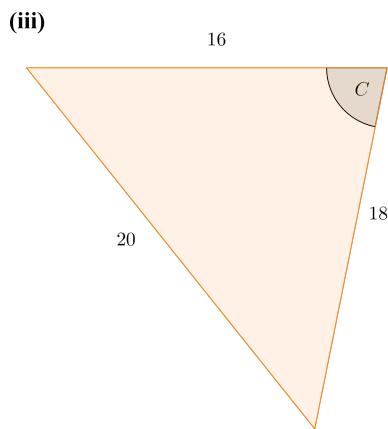
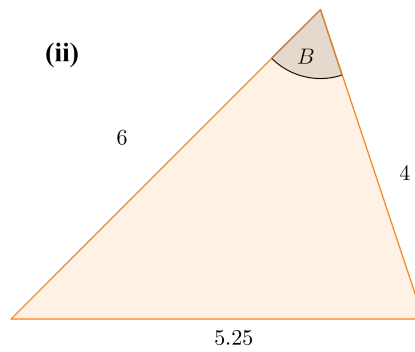
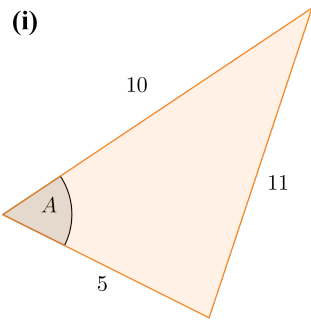


# Cosine Rule

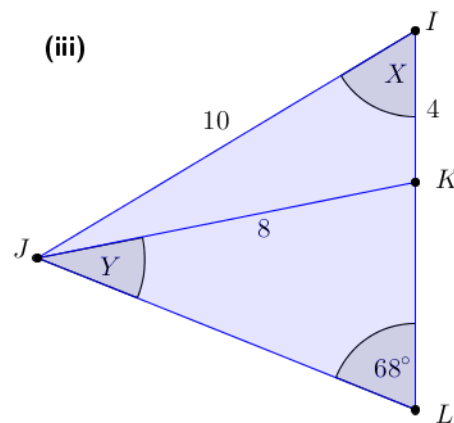
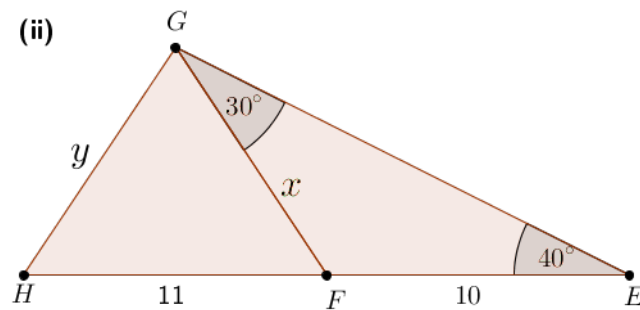
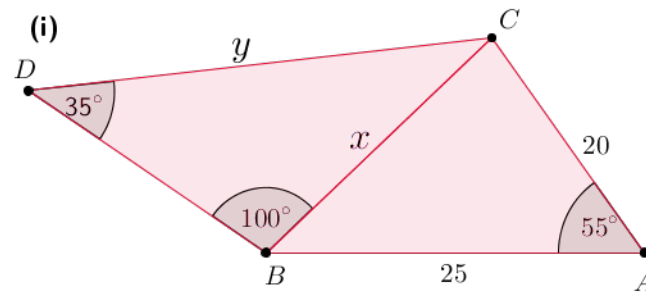
1. Calculate the unknown sides in each of the following triangles using the Cosine Rule. Express your answer correct to two decimal places.



2. Calculate the unknown angles in each of the following triangles using the Cosine Rule. Express your answer correct to the nearest angle. (Hint:  $e$  is the mathematical constant, 2.718....)



3. Calculate the unknown lengths  $x$  and  $y$  and angles  $X$  and  $Y$  in each of the following triangles using the Sine and Cosine Rule. Express your answer correct to two decimal places.



\*VIDEO\*