Cosine Rule GREEN

Use the cosine rule to find side x in each of the following triangles

 

 

Use the cosine rule to find angle X in each of the following triangles

 

Cosine Rule AMBER

Use the cosine rule to find side x in each of the following triangles

a² = b² + c² - 2bc cosA

 

 

Use the cosine rule to find angle X in each of the following triangles

cosA = b² + c² - a²

 2bc

 

Cosine Rule RED

Use the cosine rule to find side x in each of the following triangles

a² = b² + c² - 2bc cosA

 

x² = 9² + 8² - (2)(9)(8) cos56

 = 81 + 64 – 144 cos56

 x =

 

Use the cosine rule to find angle X in each of the following triangles

cosA = b² + c² - a²

 2bc

 

cosA = 6² + 14² - 11²

 (2)(6)(14)

 = 111

 168

 A = cos-1 ($\frac{111}{168}$) =