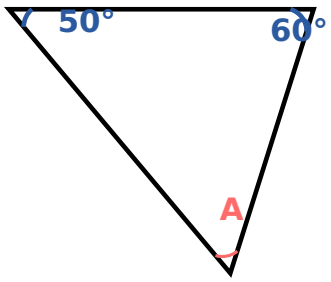
ANGLES IN TRIANGLES

Answer all of these questions. Remember to show your working out in all questions.

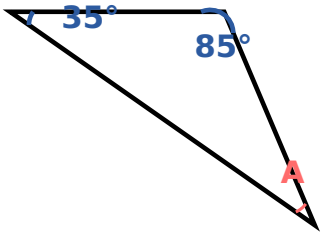
MAIN QUESTIONS

1. Find the missing angle in this diagram.



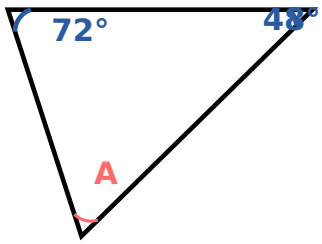
70°

2. Find the missing angle in this diagram.



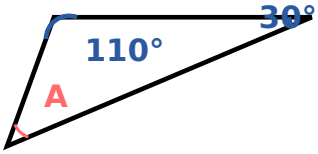
60°

3. Find the missing angle in this diagram.



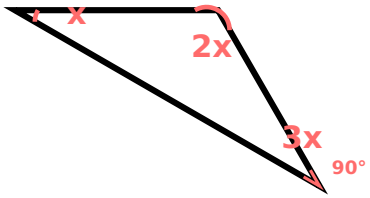
60°

4. Find the missing angle in this diagram.



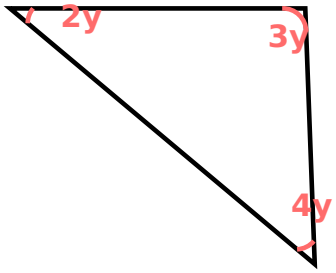
40°

5. Find the missing angle in this diagram.



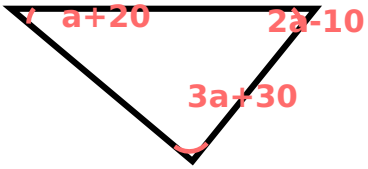
30°, 60°, 90°

6. Find the missing angle in this diagram.



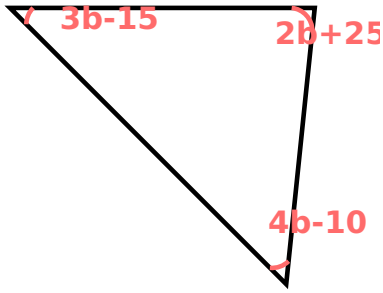
y = 20°, angles: 40°, 60°, 80°

7. Find the missing angle in this diagram.



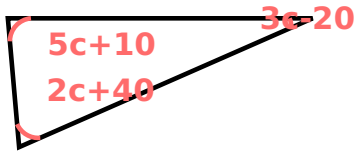
a = 20°, angles: 40°, 30°, 90°

8. Find the missing angle in this diagram.

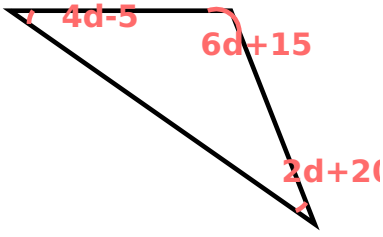


b = 20°, angles: 45°, 65°, 70°

9. Find the missing angle in this diagram.

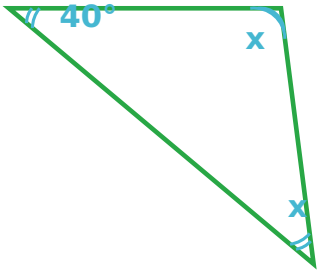


10. Find the missing angle in this diagram.



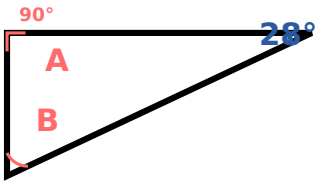
MASTER QUESTIONS

M1. Find the missing angle in this diagram.



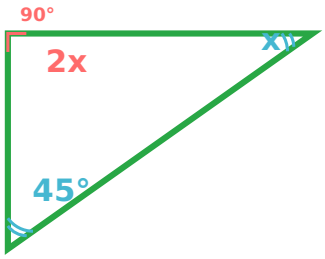
Each base angle is 70°

M2. Find the missing angle in this diagram.



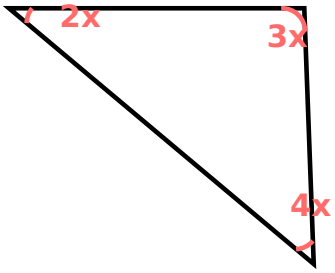
62°

M3. Find the missing angle in this diagram.



Angle A = 90°, angle B = 45°

M4. Find the missing angle in this diagram.



40°, 60°, 80°