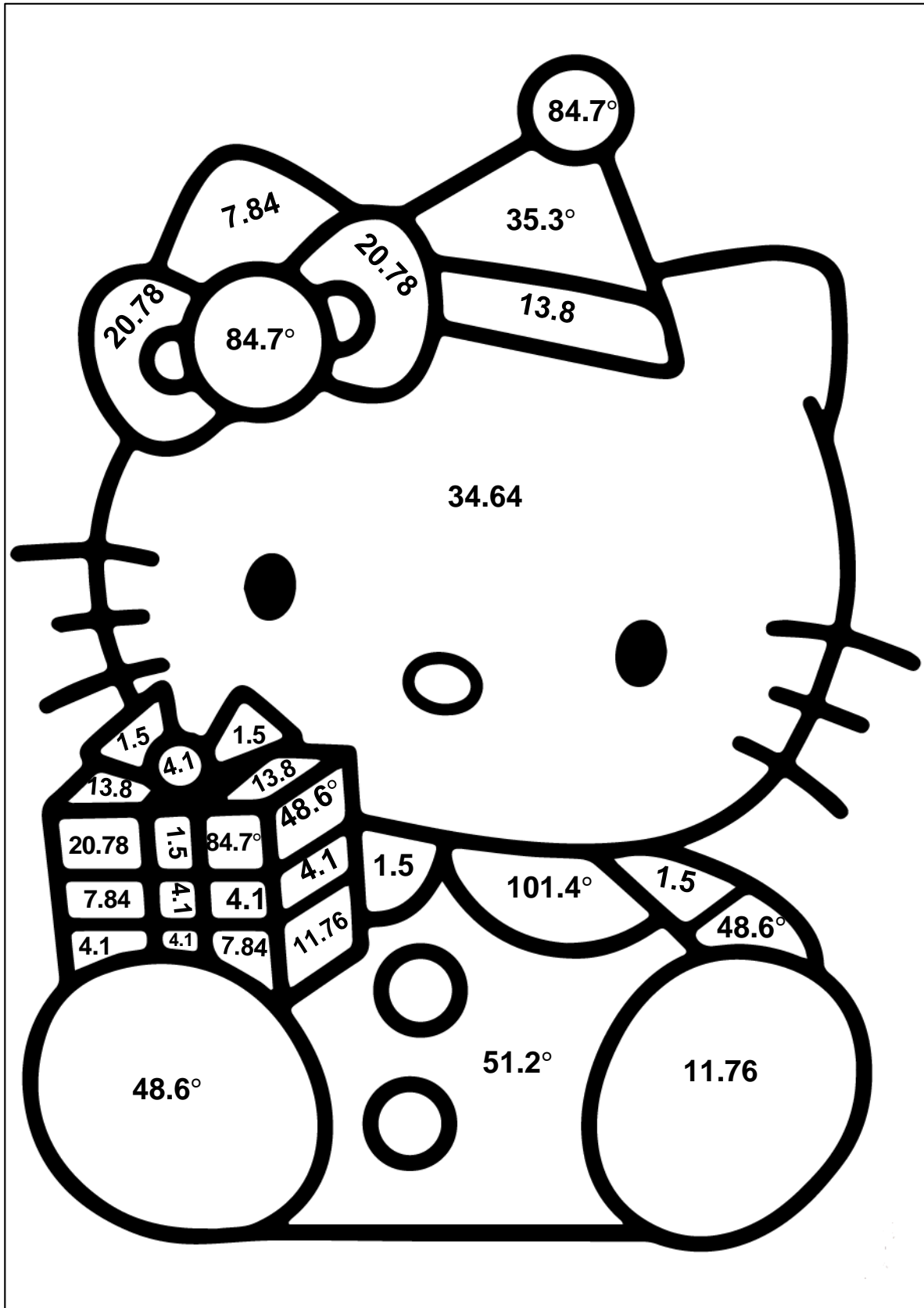Name: _____   Period: _____   Date: _____
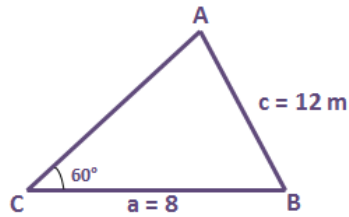
COLOR BY CODES LAW OF SINES
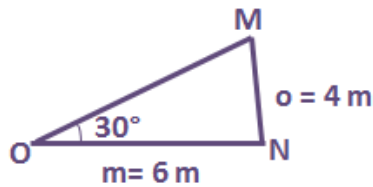
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Answer the questions - find your answer on the Christmas Kitty - color according to your answers.

Find the missing sides and angles in the triangle given below.

1. Angle A = _____ **(RED)**

2. Angle B = _____ **(GREEN)**

3. Side length b = _____ **(YELLOW)**

**Find the missing sides, angles and the Area of the triangle given below.**

4. Angle M = _____ **(RED)**

5. Angle N = _____ **(DARK BROWN)**

6. Side length n = _____ m **(LIGHT BLUE)**

7. Area = _____ m^2 **(LIGHT BROWN)**

8. In a triangle PQR, angle P = 45°, PQ = 5m, angle R = 60°. What is the length of the side QR? **(PURPLE)**

   Length of side QR = _____m

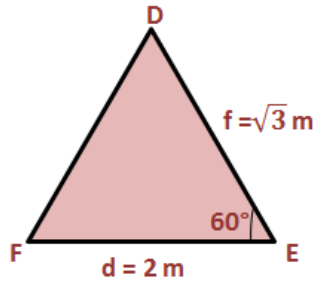**9.** In a triangle ABC, angle B = 60°, AC = 10m, AB = 9m. What is the measure of angle C? **(LIGHT GREEN)**

Measure of angle C = _____

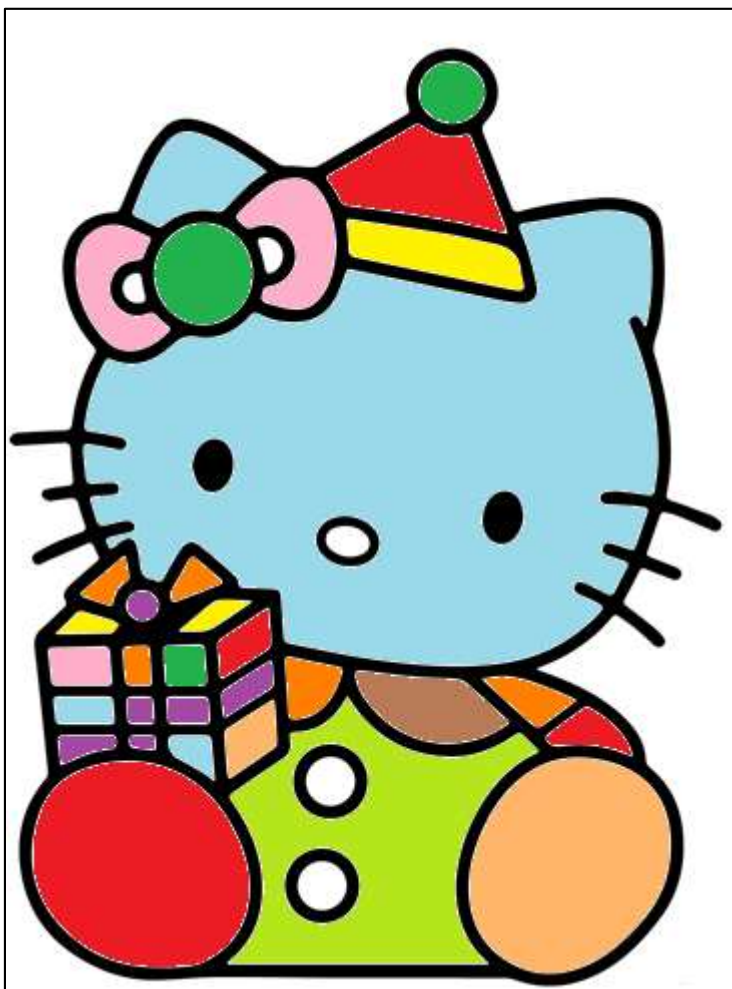**10.** Find the area of the triangle given below. **(LIGHT BLUE)**
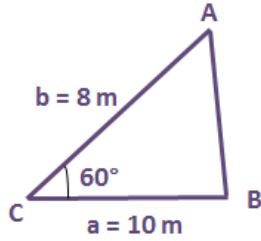
Area = _____ m²

11. Find the area of the triangle given below. **(ORANGE)**

Area = _____ m²

12. In a triangle ABC, AB = 8, AC = 6 and angle A = 60°. What is the area of this triangle? **(PINK)**

Area = _____

1. 35.3°
2. 84.7°
3. 13.8
4. 48.6°
5. 101.4°
6. 7.84
7. 11.76
8. 4.1
9. 51.2°
10. 34.64
11. 1.5
12. 20.78