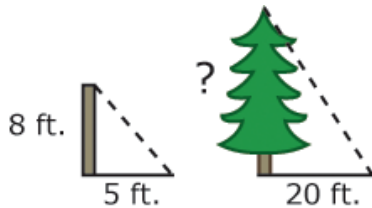Most people also can identify a triangle as a three-sided figure with three angles. The three angles of a triangle add up to 180°.

Select the best answer for the following questions and type it on the line provided.

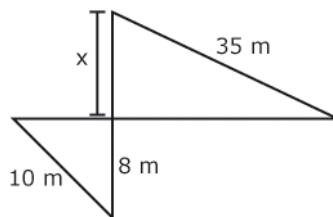1. In triangle ABC, $\angle A = 75°$, $\angle B = 15°$, what is the measurement of $\angle C$? _____

    a. 90°
    b. 75°
    c. 15°
    d. 270°

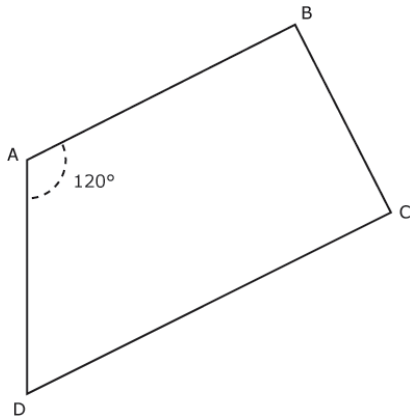2. An 8ft. fence casts a 5ft. shadow at the same time that a tree casts a 20ft. shadow. How tall is the tree? _____

    a. 25 feet
    b. 32 feet
    c. 20 feet
    d. 22 feet

3. What is the length of x? _____

    a. 32 m
    b. 30 m
    c. 25 m
    d. 28 m

4. In the quadrilateral ABCD, ∠A is 120 degrees, ∠D is $\dfrac{1}{2}$ of ∠C, and ∠B is 90 degrees. Find ∠C.

    _____

5. In isosceles triangle EFG, ∠E = 50°, what is the measurement of ∠F and ∠G? _____