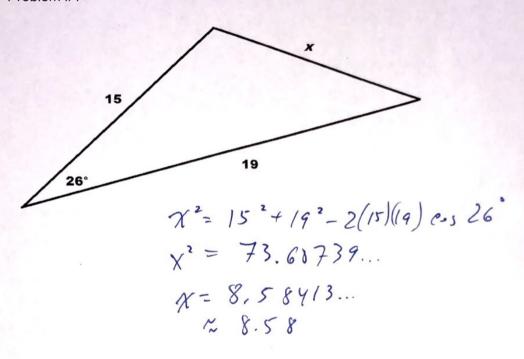
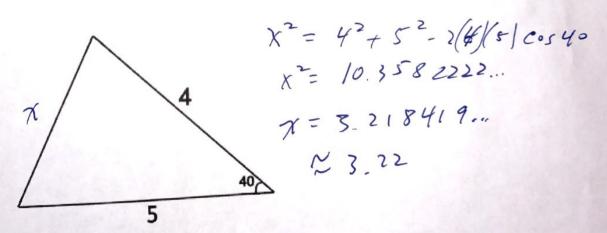
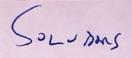
Find the missing values using the cosine rule

Problem #1

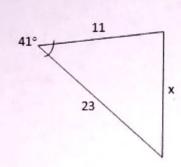


Problem #2 - Find the missing side





Problem #3



$$\chi^{2} = 23^{2} + 11^{2} - 2(27)(11) \text{ Cas } 41$$

$$= 268, 1169...$$

$$\chi = 16.37247...$$

$$\frac{2}{2} = 16.4$$

Problem #4

In the triangle below, a=22, b=17, and c=15. Find the measure of $\angle A$ to the nearest tenth.

$$Cos A = \frac{-22^{2} + 17^{2} + 15^{2}}{2(17)(15)}$$

$$= + 0.05 - 8823...$$

$$A = 93.3422... 86.627...$$

$$\approx 93.4 \approx 86.6$$

Problem #5

In the triangle below, $m \angle B = 55^{\circ}$, a = 11 meters, and c = 7 meters. What is the length of b, to the nearest tenth of a meter

That species,
$$m2b = 35$$
, $u = 11 \text{ motors, and }$

$$b^2 = 11^2 + 7^2 - 2(u)(7) \cos 5^{-5}$$

$$= 81.6652...$$

$$8 = 9.0371028...$$

$$8 = 9.0371028...$$