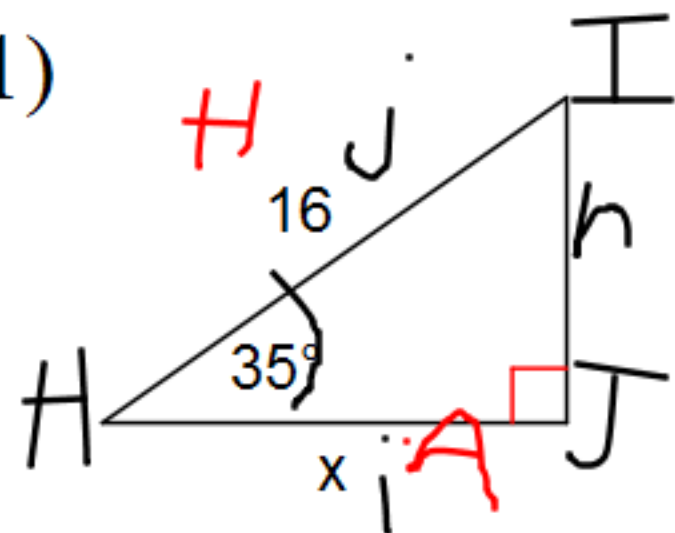


1)



$$\Delta = 180^\circ$$

$$\angle I = 180 - 90 - 35 = 55^\circ$$

SOH CAHTOA

$$\angle H = 35^\circ \quad h = 9.2 \text{ units}$$

$$\angle I = 55^\circ \quad i = 13.1 \text{ units}$$

$$\angle J = 90^\circ \quad j = 16 \text{ units}$$

$$\cos \theta = \frac{A}{H}$$

$$\cos 35 = \frac{i}{16}$$

Homework
Trig #3
#1-4

~~$$9^2 + 16^2 = c^2$$~~
~~$$13.1^2 + b^2 = 16^2$$~~

$$\sqrt{b^2} = \sqrt{84.39}$$

$$b = 9.18 \quad b = 9.2$$

$$16(\cos 35) = i$$

$$13.1 = i$$