$$\frac{1}{1} + \frac{1}{2} = \frac{3}{2} = \frac{3}$$

$$2/$$
 $b=3$, $c=2$ $A=120^{\circ}$
 $K=\frac{1}{2}bc\sin A$
 $=\frac{1}{2}(3)(8)\sin(120^{\circ})$
 $=\frac{313}{2}$ unt²

$$\frac{19}{\tan x} = \frac{6}{12} \implies f = \tan^{-1} \frac{1}{2}$$

$$\frac{1}{\tan x} = \frac{3}{12} = \frac{1}{4} \implies \alpha = \tan^{-1} \frac{1}{4}$$

$$\frac{1}{12} = \frac{1}{12} = \frac{1}{4} \implies \alpha = \tan^{-1} \frac{1}{4}$$

$$\frac{1}{12} = \frac{1}{12} = \frac{1}{4} \implies \alpha = \frac{1}{14} = \frac$$

1/2

Vo, the treewill not be excavated.

$$8, n30^{\circ} = \frac{h}{AB}$$

$$AB = 2h$$

tan30° tan60° = 1 tan30° tan(90°-30°) = 1 Cot(30°)

$$CO 28^{\circ} = \frac{x}{10} \Rightarrow x = 10 CO 28^{\circ}$$

$$5.428^{\circ} = \frac{1}{10} \Rightarrow y = 10 \text{ sin 28}^{\circ}$$

$$d = \sqrt{(6+y)^2 + x^2}$$