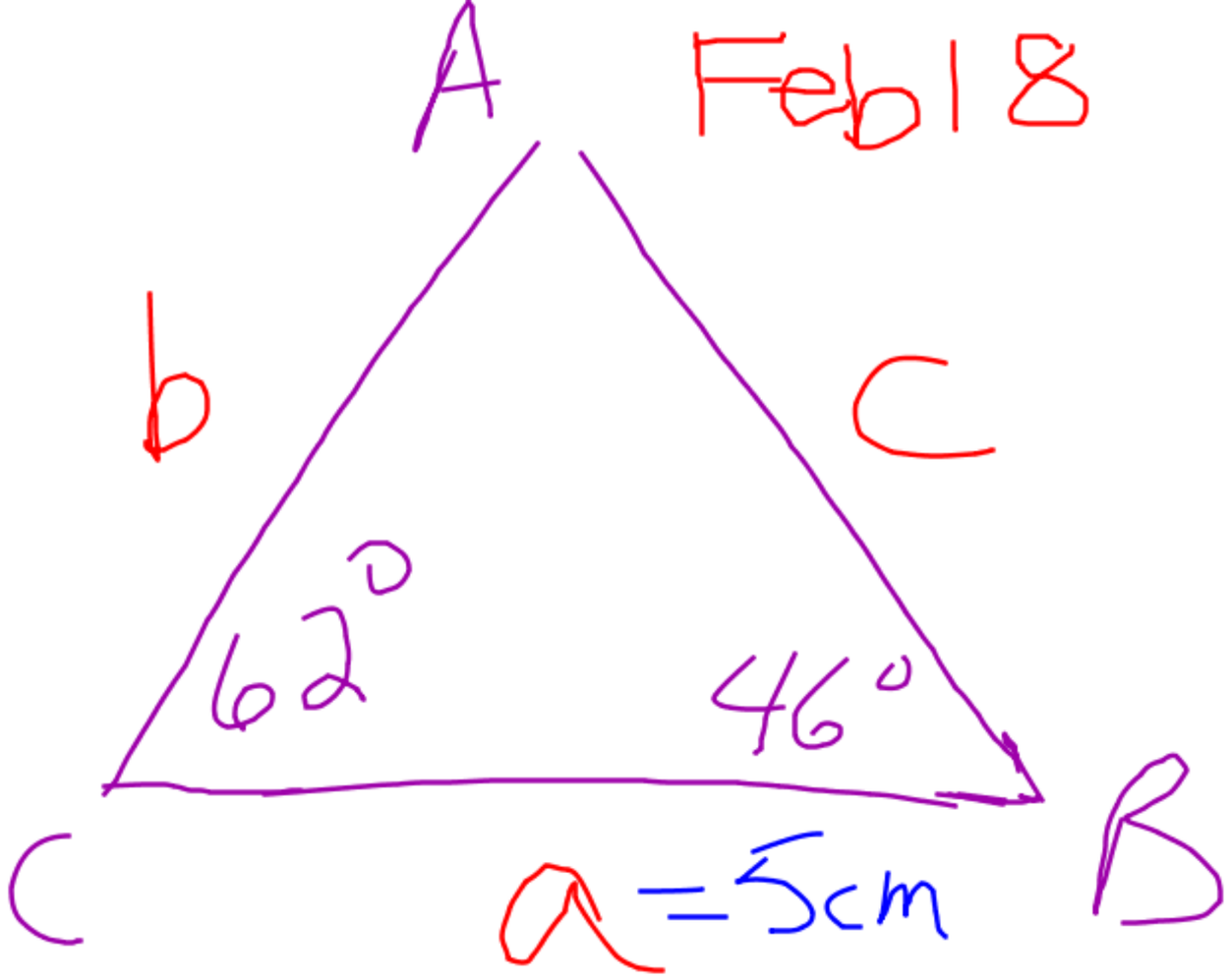
Feb 18



$\angle A = 72^\circ$ $a = 5$ cm

$\angle B = 46^\circ$ $b = 3.8$ cm

$\angle C = 62^\circ$ $c = 4.6$ cm

$\angle A = 180^\circ - (46^\circ + 62^\circ)$

$\angle A = 180 - 108$

$\angle A = 72$

$$\frac{b}{\sin B} = \frac{a}{\sin A}$$

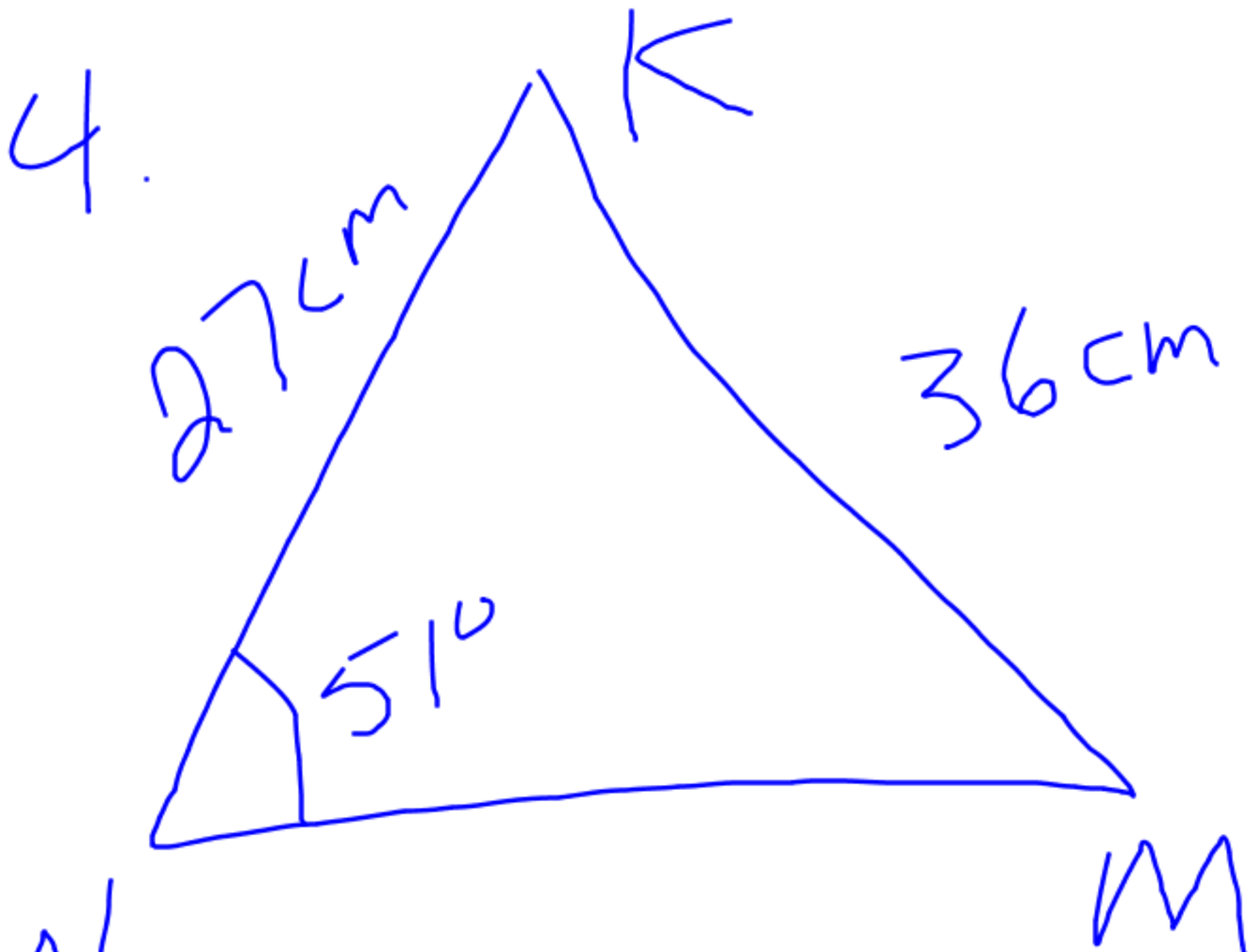
$$\frac{b}{\sin 46^\circ} = \frac{5}{\sin 72^\circ}$$

$$b \sin 72^\circ = 5 \sin 46^\circ$$

$$\frac{b \sin 72^\circ}{\sin 72^\circ} = \frac{5 \sin 46^\circ}{\sin 72^\circ}$$

$b =$

4.



$\angle K$ $\angle C$ =

$\angle M = 36^\circ$ $m = 27cm$

$\angle N = 51^\circ$ $n = 36cm$

$$\frac{\sin M}{m} = \frac{\sin N}{n}$$

$$\frac{\sin M}{27} = \frac{\sin 51}{36}$$

$$\frac{36 \sin M}{36} = \frac{27 \sin 51}{36}$$

$$\sin M = 0.5829$$

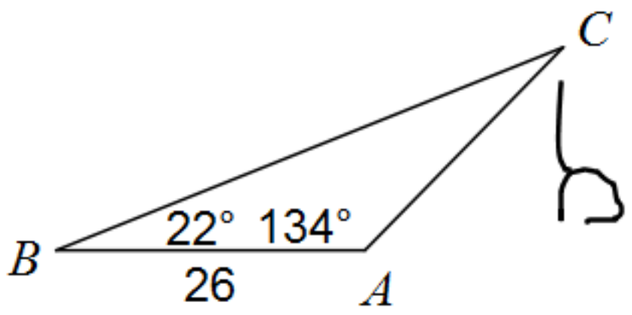
$$\sin^{-1} M = 36^\circ$$

Infinite Algebra 2

Question numbers | Show answers | Directions | Changing questions hides answers | Lines | Zoom: | More like these | ← | Jump | → | 1-up

Find each measurement indicated. Round your answers to the nearest tenth.

4) Find AC



$$\frac{b}{\sin B} = \frac{c}{\sin C}$$

$\angle C = 180^\circ - (22^\circ + 134^\circ$

$\angle C = 180 - 156$

$\angle C = 24^\circ$

$$\frac{b}{\sin 22^\circ} = \frac{26}{\sin 24^\circ}$$

$$\frac{b \sin 24^\circ}{\sin 24^\circ} = \frac{26 \sin 22^\circ}{\sin 24^\circ}$$

$b = 24$

9:02 AM
2/18/2016