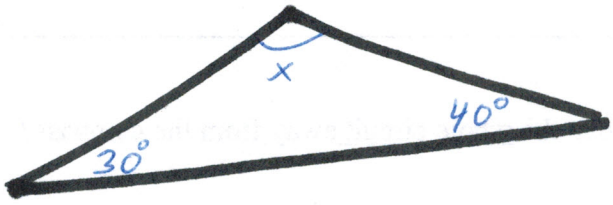
key

Intellichoice Math

Geometry HW

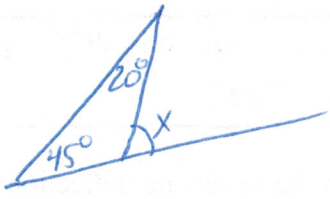
Find x:

(1)



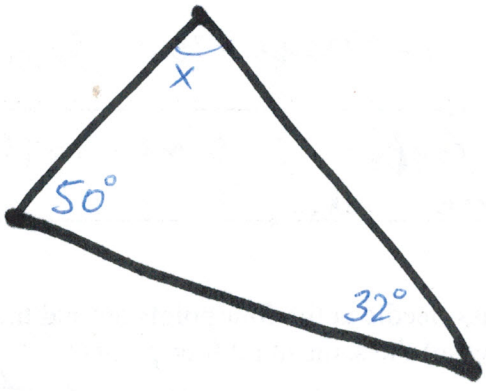
$X = 110°$

(2)



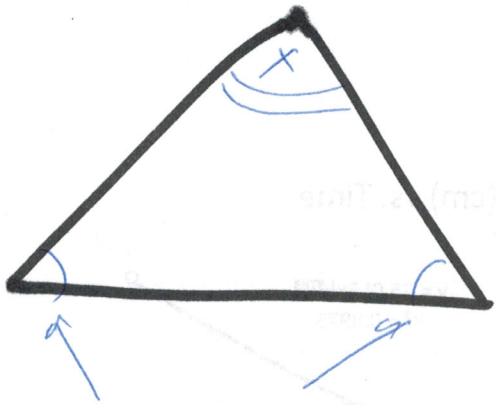
$X = 65°$

(3)



$X = 98°$

(4)

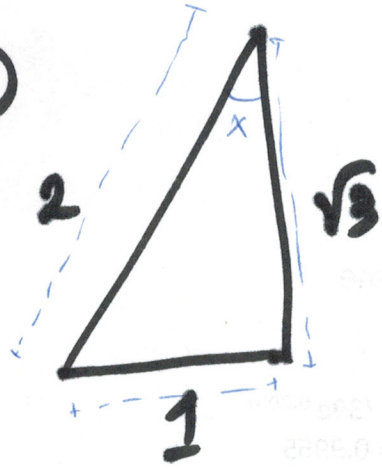


These angles have the same measure
call them α. Then, $2\alpha + x = 180^\circ$

$x = 180^\circ - 2\alpha$

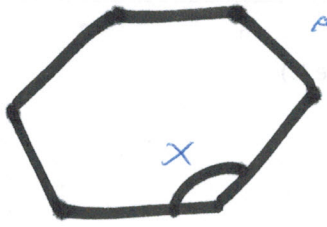
↑
Any x that satisfies this relationship.

(5)



$x = 30^\circ$

(6)

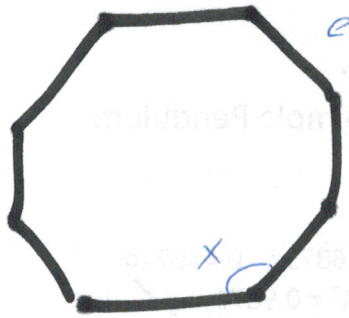


← regular hexagon.

Hint: Break into 6 congruent Δs.

$x = 120^\circ$

(2)



regular octagon

$X = 137.5^\circ$