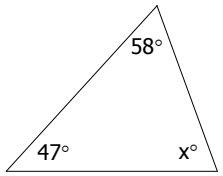
Worksheet Triangle Sum and Exterior angle Theorem Name _____

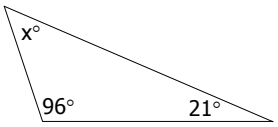
Period _____

I. Find the value of "x".

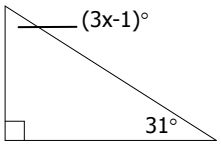
1) x = _____



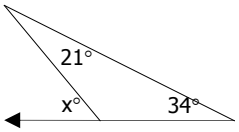
2) x = _____



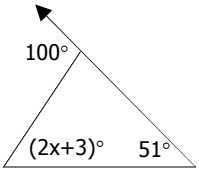
3) x = _____



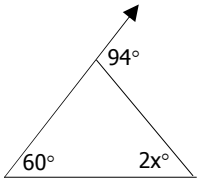
4) x = _____



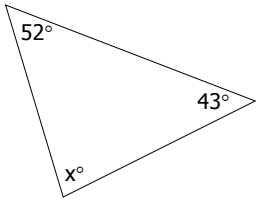
5) x = _____



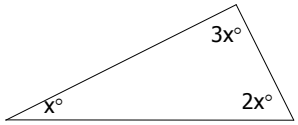
6) x = _____



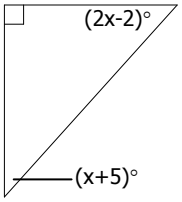
7) x = _____



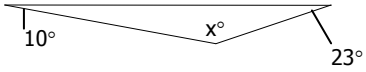
8) x = _____



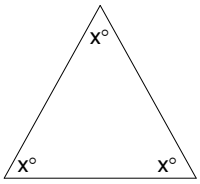
9) x = _____



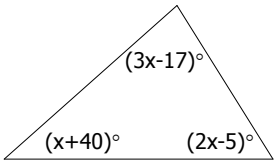
10) x = _____



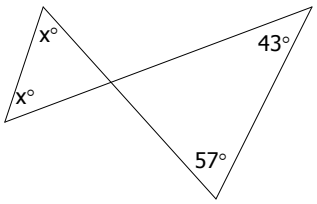
11) x = _____



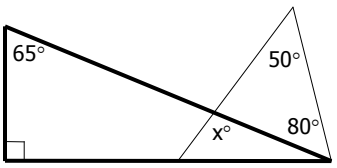
12) x = _____



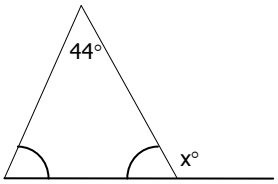
13) x = _____



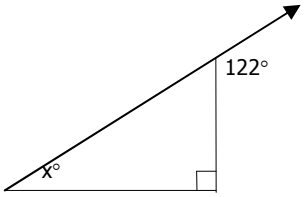
14) x = _____



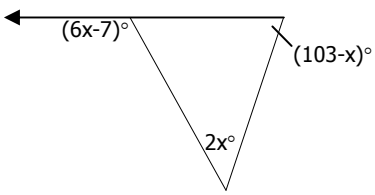
15) x = _____



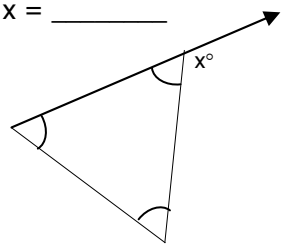
16) x = _____



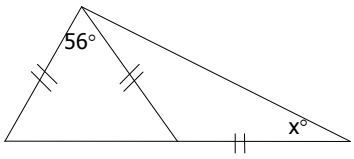
17) x = _____



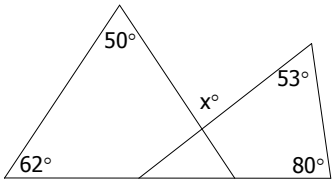
18) x = _____



19) x = _____



20) x = _____



II. Find the measure of each angle.

21) ∠1 22) ∠2 23) ∠3

24) ∠4 25) ∠5 26) ∠6