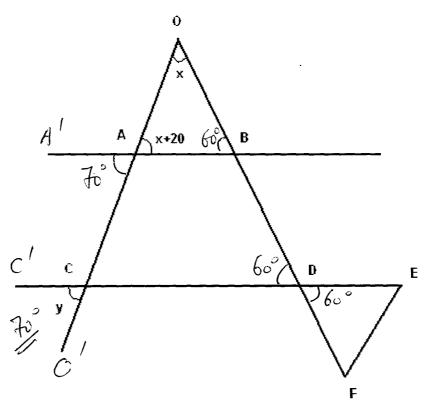
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Geometry Worksheet: Angle (2)

In the figure below, AB is parallel to CD and DEF is an equilateral triangle. Find the measure of angle y.



Since DEF is equilateral => $\angle EDF = 60^{\circ}$ => $\angle BDC = 60^{\circ} => \angle OBA = 60^{\circ}$ (Corresponding angles). Use triangle AOB to write: $(x+20)+x+60=180^{\circ}$ Solve for $x: 2c=50^{\circ}$

=> LAAC = x+20= 70°

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