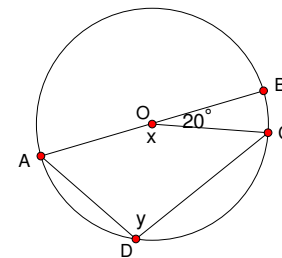
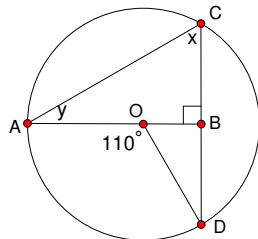
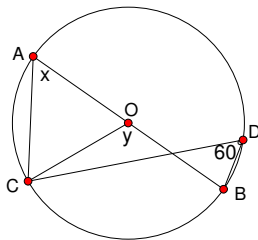
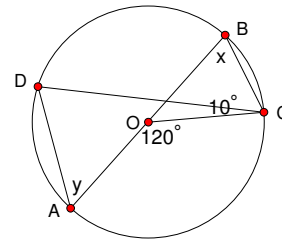
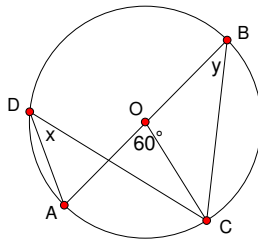
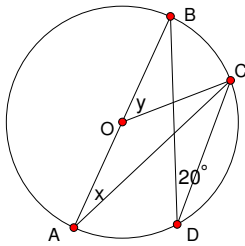


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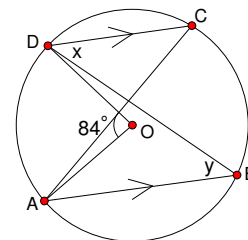
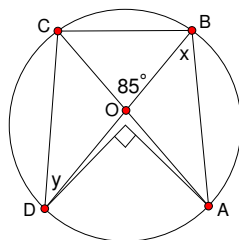
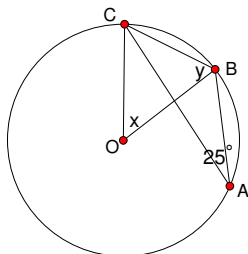
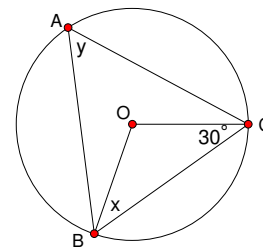
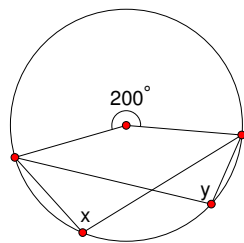
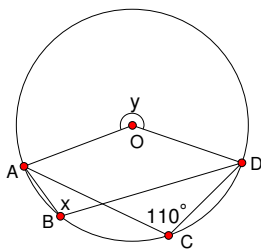
1. $(a) x = 20, y = 40$ $(b) x = y = 30$ $(c) x = 60, y = 50$

$(d) x = 60, y = 120$ $(e) x = 55, y = 35$ $(f) x = 160, y = 100$



2. $(a) x = 110, y = 220$ $(b) x = y = 100$ $(c) x = 30, y = 60$

$(d) x = 50, y = 65$ $(e) x = y = 42.5$ $(f) x = y = 84$



Name:

Date:

3. Since $\angle BCA = 35^\circ$, minor arc $\widehat{AB} = 2(35^\circ) = 70^\circ$. $40^\circ = \frac{1}{2}(\widehat{CD} - 70^\circ)$. Solving this gives us $\widehat{CD} = 150^\circ$. Now $x = \frac{1}{2}(70^\circ + 150^\circ) = \boxed{110}$.

In the figure, EAD and EBC are straight lines. Find the value of x . 110

