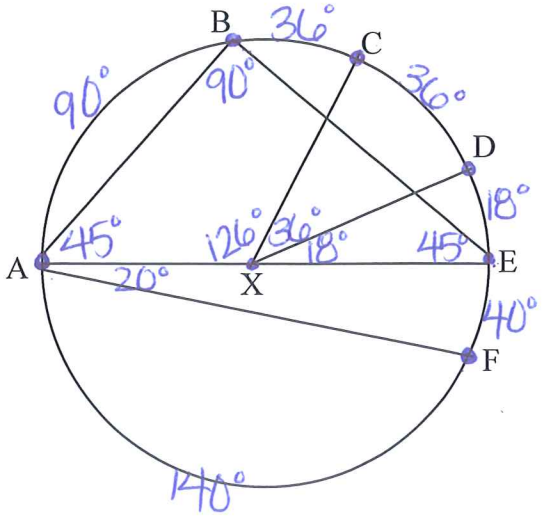
Name: *Key* Hour: _____

MIXED IN-CLASS PRACTICE

For questions 1-11, consider circle X with diameter AE.

m arc CD = 36°	m ∠ AEB = 45°
m arc AF = 140°	m arc DE = 18°



1. $m\widehat{EF}$ = 40° (180° − 140°)
2. $m\angle EAF$ = 20° ($\frac{1}{2}$ m$\widehat{EF}$)
3. $m\angle ABE$ = 90° ($\frac{1}{2}$ m$\widehat{AFE}$)
4. $m\widehat{BE}$ = 90° (m$\widehat{BC}$ + m$\widehat{CD}$ + m$\widehat{DE}$)
5. $m\angle BAE$ = 45° ($\frac{1}{2}$ m$\widehat{BE}$)
6. $m\angle CXD$ = 36° (central ∠ = arc)
7. $m\angle DXE$ = 18° (central ∠ = arc)
8. $m\widehat{EAB}$ = 270° (m$\widehat{EF}$ + m$\widehat{FA}$ + m$\widehat{AB}$)
9. $m\widehat{BD}$ = 72° (m$\widehat{BC}$ + m$\widehat{CD}$)
10. $m\widehat{BEF}$ = 130° (m$\widehat{BE}$ + m$\widehat{EF}$)
11. $m\widehat{BAE}$ = 270° (m$\widehat{BA}$ + m$\widehat{AE}$)