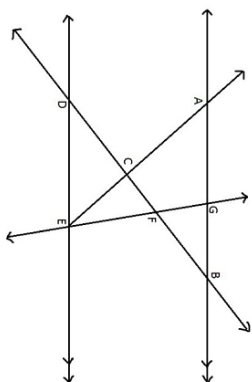
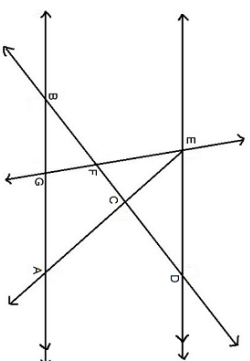


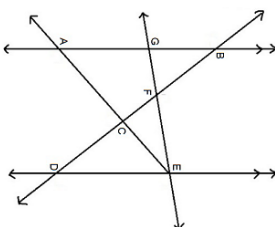
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle BGE = 69^\circ$, $m\angle GAC = 55^\circ$, and $m\angle FBG = 56^\circ$. Solve for x when $m\angle DFE = (-2x + 69)^\circ$.



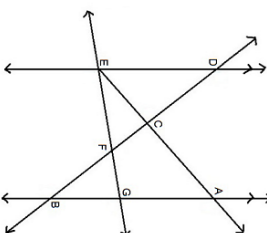
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle GAC = 57^\circ$, $m\angle FDE = 54^\circ$, and $m\angle BGE = 72^\circ$. Solve for x when $m\angle ECD = (2x + 95)^\circ$.



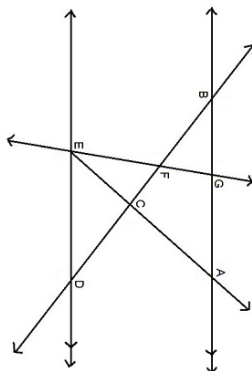
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle DEG = 68^\circ$, $m\angle FAG = 58^\circ$, and $m\angle BDE = 51^\circ$. Solve for x when $m\angle DCA = (-2x + 75)^\circ$.



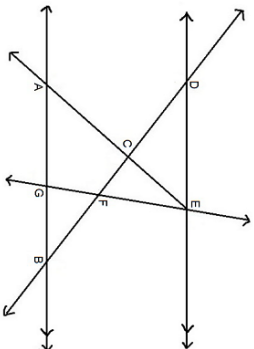
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle DEF = 72^\circ$, $m\angle EAB = 50^\circ$, and $m\angle GBF = 53^\circ$. Solve for x when $m\angle DFE = (3x + 31)^\circ$.



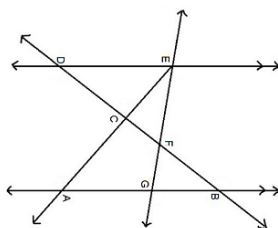
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle DEG = 72^\circ$, $m\angle EAB = 54^\circ$, and $m\angle FBG = 59^\circ$. Solve for x when $m\angle DCA = (3x + 86)^\circ$.



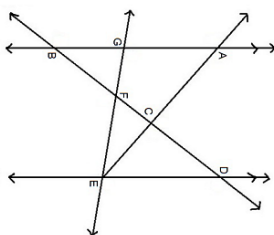
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle EDF = 50^\circ$, $m\angle GED = 71^\circ$, and $m\angle DEC = 56^\circ$. Solve for x when $m\angle DFE = (3x + 113)^\circ$.



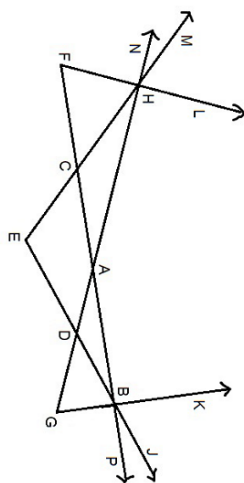
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle ABF = 51^\circ$, $m\angle EGB = 67^\circ$, and $m\angle DEA = 55^\circ$. Solve for x when $m\angle EFD = (-3x + 50)^\circ$.



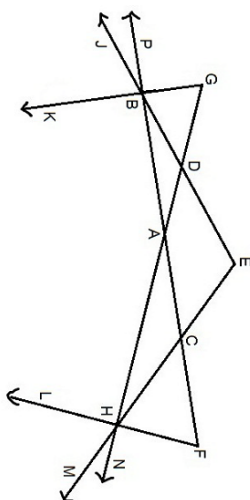
The picture below includes: $\overleftrightarrow{AB}$, $\overleftrightarrow{DE}$, $\overleftrightarrow{DB}$, $\overleftrightarrow{EG}$, and $\overleftrightarrow{EA}$. $\triangle ABC \sim \triangle EDC$, $\overleftrightarrow{AB} \parallel \overleftrightarrow{DE}$, $m\angle FDE = 58^\circ$, $m\angle DEF = 70^\circ$, and $m\angle GAC = 51^\circ$. Solve for x when $m\angle AEG = (3x + 22)^\circ$.



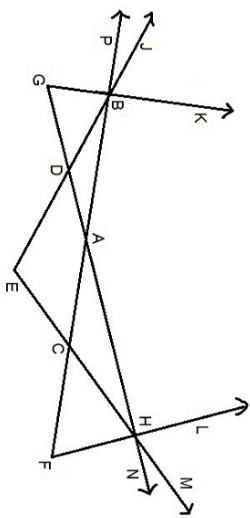
The picture below includes: $\overrightarrow{FL}$, $\overrightarrow{FP}$, $\overrightarrow{EM}$, $\overrightarrow{EJ}$, $\overrightarrow{GN}$, and $\overrightarrow{GK}$.
 $\triangle AGB \sim \triangle AFH$, $\angle HDJ \cong \angle BCM$, $m\angle DHE = 19^\circ$, $m\angle PAG = 24^\circ$, and
 $m\angle BGN = 64^\circ$. Solve for x when $m\angle GFD = (2x + 71)^\circ$.



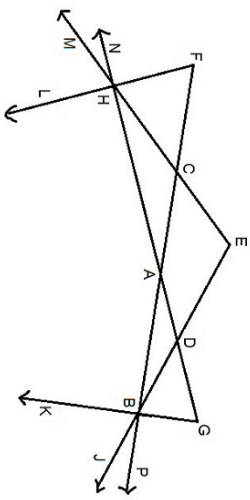
The picture below includes: $\overrightarrow{FL}$, $\overrightarrow{FP}$, $\overrightarrow{EM}$, $\overrightarrow{EJ}$, $\overrightarrow{GN}$, and $\overrightarrow{GK}$.
 $\triangle AGB \sim \triangle AFH$, $\angle HDJ \cong \angle BCM$, $m\angle KGN = 66^\circ$, $m\angle FBE = 21^\circ$, and
 $m\angle DAP = 24^\circ$. Solve for x when $m\angle EDN = (2x + 11)^\circ$.



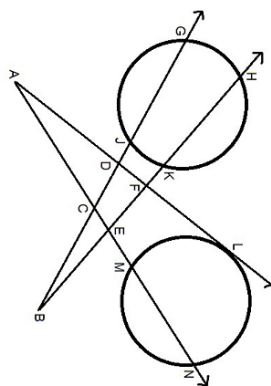
The picture below includes: $\overrightarrow{FL}$, $\overrightarrow{FP}$, $\overrightarrow{EM}$, $\overrightarrow{EJ}$, $\overrightarrow{GN}$, and $\overrightarrow{GK}$.
 $\triangle AGB \sim \triangle AFH$, $\angle HDJ \cong \angle BCM$, $m\angle DBF = 20^\circ$, $m\angle DAB = 24^\circ$, and
 $m\angle AGK = 68^\circ$. Solve for x when $m\angle MEJ = (-2x + 132)^\circ$.



The picture below includes: $\overrightarrow{FL}$, $\overrightarrow{FP}$, $\overrightarrow{EM}$, $\overrightarrow{EJ}$, $\overrightarrow{GN}$, and $\overrightarrow{GK}$.
 $\triangle AGB \sim \triangle AFH$, $\angle HDJ \cong \angle BCM$, $m\angle DBF = 21^\circ$, $m\angle HAF = 23^\circ$, and
 $m\angle NGK = 65^\circ$. Solve for x when $m\angle LHM = (-3x + 131)^\circ$.

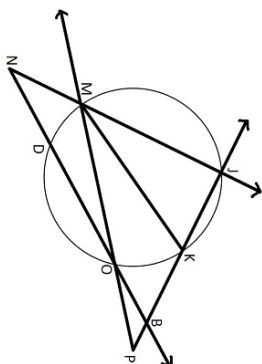


The picture below includes tangent $\overrightarrow{AL}$; secants $\overrightarrow{AN}$, $\overrightarrow{BG}$, and $\overrightarrow{BH}$.
 $m\widehat{HG} = 66^\circ$, $m\widehat{K} = 42^\circ$, $m\widehat{LN} = 94^\circ$, $m\widehat{YL} = 136^\circ$, and $m\angle GDA = 83^\circ$.
 Solve for x when $m\angle AFH = (2x + 99)^\circ$.

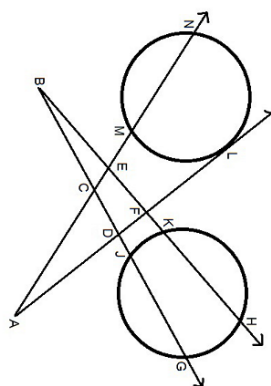


angle_image_notes.qxd - 15/22 - Wed Mar 14 2018 10:13:12

The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overrightarrow{MK}$ is a diameter for the circle, $m\angle MND = 33^\circ$, $m\angle OPK = 39^\circ$, and $m\widehat{MD} = 141^\circ$. Solve for x when $m\widehat{MD} = (-4x + 116)^\circ$.

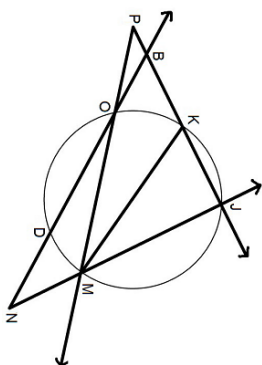


The picture below includes tangent $\overrightarrow{AL}$; secants $\overrightarrow{AN}$, $\overrightarrow{BG}$, and $\overrightarrow{BH}$.
 $m\widehat{HG} = 62^\circ$, $m\widehat{JK} = 34^\circ$, $m\widehat{LN} = 92^\circ$, $m\widehat{NL} = 134^\circ$, and $m\angle BDA = 100^\circ$.
 Solve for x when $m\angle EFD = (-3x + 134)^\circ$.

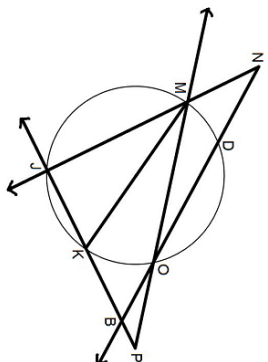


angle_image_notes.qxd - 10/22 - Wed Mar 14 2018 10:15:33

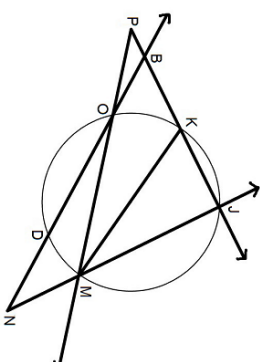
The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overrightarrow{MK}$ is a diameter for the circle, $m\angle NNB = 37^\circ$, $m\angle JPM = 40^\circ$, and $m\widehat{MD} = 141^\circ$. Solve for x when $m\widehat{JKO} = (5x + 30)^\circ$.



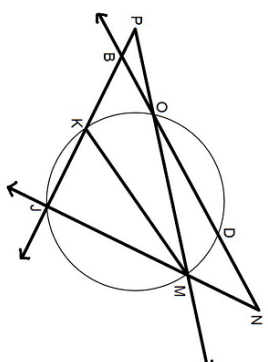
The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overline{MK}$ is a diameter for the circle, $m\angle BNJ = 35^\circ$, $m\angle OPJ = 41^\circ$, and $m\widehat{MD} = 141^\circ$. Solve for x when $m\widehat{MD} = (-5x + 3)^\circ$.



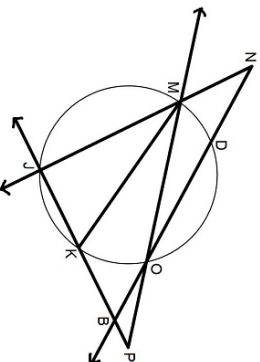
The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overline{MK}$ is a diameter for the circle, $m\angle BNJ = 34^\circ$, $m\angle OPK = 40^\circ$, and $m\widehat{MD} = 141^\circ$. Solve for x when $m\angle OMN = (-3x + 88)^\circ$.



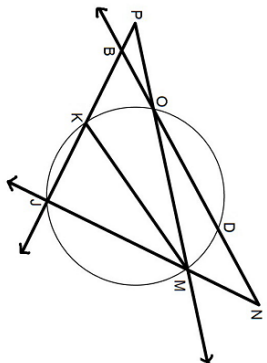
The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overline{MK}$ is a diameter for the circle, $m\angle BNJ = 37^\circ$, $m\angle KPM = 42^\circ$, and $m\widehat{MD} = 140^\circ$. Solve for x when $m\widehat{JK} = (4x + 96)^\circ$.



The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overline{MK}$ is a diameter for the circle, $m\angle ONM = 36^\circ$, $m\angle KPO = 38^\circ$, and $m\widehat{MD} = 139^\circ$. Solve for x when $m\angle POB = (-4x + 4)^\circ$.



The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overline{MK}$ is a diameter for the circle. $m\angle MNB = 34^\circ$, $m\angle MPJ = 42^\circ$, and $m\widehat{MJ} = 142^\circ$. Solve for x when $m\angle MO = (2x + 60)^\circ$.



The picture below includes secants $\overrightarrow{PJ}$, $\overrightarrow{PM}$, $\overrightarrow{NB}$, and $\overrightarrow{NJ}$. $\overline{MK}$ is a diameter for the circle. $m\angle MND = 33^\circ$, $m\angle BPO = 40^\circ$, and $m\widehat{MJ} = 140^\circ$. Solve for x when $m\angle PMN = (4x + 78)^\circ$.

