



$\vec{F_x}$	$\vec{F_y}$
$\angle EJI$ $3060.0\# * \cos 20.150^\circ = \vec{JI}$ $2872.7\# = \vec{JI}$	$\angle EJI$ $3060.0\# * \sin 20.150^\circ = \vec{EI}$ $1054.1\# = \vec{EI}$
$\angle HEG$ $8.9877\# * \sin 20.150^\circ = \vec{HG}$ $3.0959\# = \vec{HG}$	$\angle HEG$ $8.9877\# * \cos 20.150^\circ = \vec{GE}$ $8.4376\# = \vec{GE}$
$\angle KDF$ $3943.0\# * \cos 27.567^\circ = \vec{DK}$ $3495.4\# = \vec{DK}$	$\angle KDF$ $3943.0\# * \sin 27.567^\circ = \vec{KF}$ $1824.8\# = \vec{KF}$
$\angle LCA$ $3155.3\# * \cos 38.691^\circ = \vec{CL}$ $2462.8\# = \vec{CL}$	$\angle LCA$ $3155.3\# * \sin 38.691^\circ = \vec{LA}$ $1972.4\# = \vec{LA}$
$\angle BMN$ $2482.6\# * \cos 20.150^\circ = \vec{MN}$ $2330.6\# = \vec{MN}$	$\angle BMN$ $2482.6\# * \sin 20.150^\circ = \vec{BN}$ $855.20\# = \vec{BN}$
$\angle BOP$ $2200.1\# * \sin 20.150^\circ = \vec{OP}$ $757.89\# = \vec{OP}$	$\angle BOP$ $2200.1\# * \cos 20.150^\circ = \vec{BO}$ $2065.4\# = \vec{BO}$

$\vec{F_x}$	$\vec{F_y}$
$\vec{JI} + \vec{HG} = F_x$ $-2872.7\# + 3.0959\# = F_x$ $-2869.6\# = F_x$	$\vec{EI} + \vec{GE} = F_y$ $-1054.1\# + -8.4376\# = F_y$ $-1062.5\# = F_y$
$\vec{DK} = \vec{FD_x}$ $3495.4\# = FD_x$	$\vec{KF} = \vec{FD_y}$ $1824.8\# = FD_y$
$\vec{CL} = F_{C_x}$ $2462.8\# = F_{C_x}$	$\vec{LA} = \vec{F_{C_y}}$ $-1972.4\# = F_{C_y}$
$\vec{MN} + \vec{OP} = FB_x$ $-2330.6\# + -757.89\# = FB_x$ $-3088.5\# = FB_x$	$\vec{BN} + \vec{BO} = FB_y$ $-855.20\# + 2065.4\# = FB_y$ $1210.2\# = FB_y$