

Compass Deviation Formulae

Aircraft Type and Mark _____ Serial No _____

Deviation Formulae (Correcting Swing)

Main	$X_e = (W \frac{-E}{7}) + (N \frac{-S}{4}) = \frac{\quad}{7} + \frac{\quad}{4} = \quad + \quad = \quad$	<input type="text"/>
	$C = N \frac{-S}{2} = \frac{\quad}{2} = \quad$	<input type="text"/>
	$A = N \frac{+S}{4} + E \frac{+W}{4} = \frac{\quad}{4} = \quad$	<input type="text"/>
	$E = (N \frac{+S}{4}) - (E \frac{+W}{4}) = \frac{\quad}{4} - \frac{\quad}{4} = \quad$	<input type="text"/>
	$Y_e = (E \frac{-W}{4}) + 0.433 (N \frac{-S}{4}) = \frac{\quad}{4} + \frac{\quad}{4} = \quad + \quad = \quad$	<input type="text"/>
	$B = E \frac{-W}{2} = \frac{\quad}{2} = \quad$	<input type="text"/>
	$D = (SW \frac{+NE}{4}) - (NW \frac{+SE}{4}) = \frac{\quad}{4} - \frac{\quad}{4} = \quad$	<input type="text"/>

Standby	$A = N \frac{+S}{4} + E \frac{+W}{4} = \frac{\quad}{4} = \quad$	<input type="text"/>
	$C = N \frac{-S}{2} = \frac{\quad}{2} = \quad$ $B = E \frac{-W}{2} = \frac{\quad}{2} = \quad$	<input type="text"/> <input type="text"/>

Deviation Formulae (Calibration Swing)

Main	$X_e = (W \frac{-E}{7}) + (N \frac{-S}{4}) = \frac{\quad}{7} + \frac{\quad}{4} = \quad + \quad = \quad$	<input type="text"/>
	$C = N \frac{-S}{2} = \frac{\quad}{2} = \quad$	<input type="text"/>
	$A = E \frac{+S}{8} + W \frac{+N}{8} + NE \frac{+SE}{8} + SW \frac{+NW}{8} = \frac{\quad}{8} = \quad$	<input type="text"/>
	$E = (N \frac{+S}{4}) - (E \frac{+W}{4}) = \frac{\quad}{4} - \frac{\quad}{4} = \quad$	<input type="text"/>
	$Y_e = (E \frac{-W}{4}) + 0.433 (N \frac{-S}{4}) = \frac{\quad}{4} + \frac{\quad}{4} = \quad + \quad = \quad$	<input type="text"/>
	$B = E \frac{-W}{2} = \frac{\quad}{2} = \quad$	<input type="text"/>
	$D = (SW \frac{+NE}{4}) - (NW \frac{+SE}{4}) = \frac{\quad}{4} - \frac{\quad}{4} = \quad$	<input type="text"/>

Standby	$C = N \frac{-S}{2} = \frac{\quad}{2} = \quad$ $B = E \frac{-W}{2} = \frac{\quad}{2} = \quad$	<input type="text"/> <input type="text"/>
	$A = E \frac{+S}{8} + W \frac{+N}{8} + NE \frac{+SE}{8} + SW \frac{+NW}{8} = \frac{\quad}{8} = \quad$	<input type="text"/>

Compass Deviation Formulae

Aircraft Type and Mark _____

Serial No _____

Deviation Formulae (Correcting Swing)

Main	<input type="text" value="Xe"/>	=	(W $\frac{-E}{7}$)	+	(N $\frac{-S}{4}$)	=	=	=	=	<input type="text"/>
	<input type="text" value="C"/>	=	N $\frac{-S}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	<input type="text"/>
	<input type="text" value="A"/>	=	N $\frac{+S}{4}$	+	E $\frac{+E}{4}$	+	W $\frac{+W}{4}$	=	$\frac{\quad}{4}$	<input type="text"/>
	<input type="text" value="E"/>	=	(N $\frac{+S}{4}$)	-	(E $\frac{+W}{4}$)	=	$\frac{\quad}{4}$	=	$\frac{\quad}{4}$	<input type="text"/>
	<input type="text" value="Ye"/>	=	(E $\frac{-W}{4}$)	+	0.433 (N $\frac{-S}{4}$)	=	$\frac{\quad}{4}$	+	$\frac{\quad}{4}$	<input type="text"/>
	<input type="text" value="B"/>	=	E $\frac{-W}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	<input type="text"/>
	<input type="text" value="D"/>	=	(SW $\frac{+NE}{4}$)	-	(NW $\frac{+SE}{4}$)	=	$\frac{\quad}{4}$	=	$\frac{\quad}{4}$	<input type="text"/>

Standby	<input type="text" value="A"/>	=	N $\frac{+S}{4}$	+	E $\frac{+E}{4}$	+	W $\frac{+W}{4}$	=	$\frac{\quad}{4}$	<input type="text"/>				
	<input type="text" value="C"/>	=	N $\frac{-S}{2}$	=	$\frac{\quad}{2}$	=	<input type="text"/>	<input type="text" value="B"/>	=	E $\frac{-W}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$

Deviation Formulae (Calibration Swing)

Main	<input type="text" value="Xe"/>	=	(W $\frac{-E}{7}$)	+	(N $\frac{-S}{4}$)	=	=	=	=	<input type="text"/>						
	<input type="text" value="C"/>	=	N $\frac{-S}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	<input type="text"/>						
	<input type="text" value="A"/>	=	E $\frac{+S}{8}$	+	W $\frac{+W}{8}$	+	N $\frac{+NE}{8}$	+	SE $\frac{+SE}{8}$	+	SW $\frac{+SW}{8}$	+	NW $\frac{+NW}{8}$	=	$\frac{\quad}{8}$	<input type="text"/>
	<input type="text" value="E"/>	=	(N $\frac{+S}{4}$)	-	(E $\frac{+W}{4}$)	=	$\frac{\quad}{4}$	=	$\frac{\quad}{4}$	=	$\frac{\quad}{4}$	<input type="text"/>				
	<input type="text" value="Ye"/>	=	(E $\frac{-W}{4}$)	+	0.433 (N $\frac{-S}{4}$)	=	$\frac{\quad}{4}$	+	$\frac{\quad}{4}$	=	$\frac{\quad}{4}$	<input type="text"/>				
	<input type="text" value="B"/>	=	E $\frac{-W}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	<input type="text"/>						
	<input type="text" value="D"/>	=	(SW $\frac{+NE}{4}$)	-	(NW $\frac{+SE}{4}$)	=	$\frac{\quad}{4}$	=	$\frac{\quad}{4}$	<input type="text"/>						

Standby	<input type="text" value="C"/>	=	N $\frac{-S}{2}$	=	$\frac{\quad}{2}$	=	<input type="text"/>	<input type="text" value="B"/>	=	E $\frac{-W}{2}$	=	$\frac{\quad}{2}$	=	$\frac{\quad}{2}$	<input type="text"/>
	<input type="text" value="A"/>	=	E $\frac{+S}{8}$	+	W $\frac{+W}{8}$	+	N $\frac{+NE}{8}$	+	SE $\frac{+SE}{8}$	+	SW $\frac{+SW}{8}$	+	NW $\frac{+NW}{8}$	=	$\frac{\quad}{8}$