PHYS221 **Vectors to add**

Set A - (Use if you sit at tables 1, 4, 7 & 10 – *right column of tables*)

Two Forces

$\vec{F}_1$=(4.0000 ± 0.0002) N @ (135.00 ± 0.04) degrees
$\vec{F}_2$=(6.0000 ± 0.0002) N @ 250.00 ± 0.04) degrees
Uncertainty of this resultant is 0.0003N and 0.2 degrees

Three Forces

$\vec{F}_1$=(4.0000 ± 0.0002) N @ (290.00 ± 0.04) degrees
$\vec{F}_2$=(3.0000 ± 0.0002) N @ 180.00 ± 0.04) degrees
$\vec{F}_3$=(5.0000 ± 0.0002) N @ 120.00 ± 0.04) degrees
Uncertainty of this resultant is 0.0003N and 0.2 degrees

Set B - (Use if you sit at tables 2, 5, 8 & 11- *middle column of tables*)

Two Forces

$\vec{F}_1$=(4.0000 ± 0.0002) N @ (315.00 ± 0.04) degrees
$\vec{F}_2$=(6.0000 ± 0.0002) N @ (70.00 ± 0.04) degrees
Uncertainty of this resultant is **0.0003N and 0.2 degrees**

Three Forces

$\vec{F}_1$=(4.0000 ± 0.0002) N @ (290.00 ± 0.04) degrees
$\vec{F}_2$=(3.0000 ± 0.0002) N @ 180.00 ± 0.04) degrees
$\vec{F}_3$=(5.0000 ± 0.0002) N @ 120.00 ± 0.04) degrees
Uncertainty of this resultant is 0.0003N and 0.2 degrees

Set C - (Use if you sit at tables 3, 6, 9 & 12- *left column of tables*)

Two Forces

$\vec{F}_1$=(5.0000 ± 0.0002) N @ (30.00 ± 0.04) degrees
$\vec{F}_2$=(3.5000 ± 0.0003) N @ (70.00 ± 0.04) degrees
Uncertainty of this resultant is 0.0004N and 0.2 degrees

Three Forces

$\vec{F}_1$=(4.0000 ± 0.0002) N @ (110.00±0.04) degrees
$\vec{F}_2$=(3.0000 ± 0.0002) N @ 0.00±0.04) degrees
$\vec{F}_3$=(5.0000 ± 0.0002) N @ 300.00±0.04) degrees
Uncertainty of this resultant is 0.0003N and 0.2 degrees