

Bingo				
114.34°	140.28°	12	306.87°	$\langle -6, -11 \rangle$
$5\sqrt{2}$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\langle 0, -1 \rangle$	-28	66.04°
$\langle -60, -12 \rangle$	$\langle -5, 7 \rangle$	Free Space	Parallel	0
39	Orthogonal	325.49°	$14\sqrt{3}$	Neither
15	$\sqrt{365}$	$\sqrt{13}$	$20\mathbf{i} - 2\mathbf{j}$	98.13°

Vectors : Mixed Review

"GowenNotes"

Bingo				
140.28°	$\sqrt{365}$	-28	$\langle -6, -11 \rangle$	$\sqrt{13}$
Parallel	$14\sqrt{3}$	12	$\langle 0, -1 \rangle$	306.87°
Neither	39	Free Space	$\langle -5, 7 \rangle$	98.13°
114.34°	$\langle -60, -12 \rangle$	$20\mathbf{i} - 2\mathbf{j}$	0	66.04°
$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	325.49°	Orthogonal	$5\sqrt{2}$	15

Vectors : Mixed Review

"GowenNotes"

Bingo				
0	$\langle -6, -11 \rangle$	Neither	$\sqrt{365}$	$\sqrt{13}$
$\langle -5, 7 \rangle$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	12	$\langle -60, -12 \rangle$	15
66.04°	-28	Free Space	Orthogonal	$\langle 0, -1 \rangle$
98.13°	39	325.49°	$14\sqrt{3}$	$20\mathbf{i} - 2\mathbf{j}$
114.34°	Parallel	306.87°	$5\sqrt{2}$	140.28°

Vectors : Mixed Review

"GowenNotes"

Bingo				
$5\sqrt{2}$	$\langle 0, -1 \rangle$	98.13°	$20\mathbf{i} - 2\mathbf{j}$	$\sqrt{13}$
$\sqrt{365}$	Orthogonal	0	$14\sqrt{3}$	306.87°
66.04°	325.49°	Free Space	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\langle -60, -12 \rangle$
114.34°	12	$\langle -5, 7 \rangle$	-28	$\langle -6, -11 \rangle$
Parallel	39	140.28°	Neither	15

Vectors : Mixed Review

"GowenNotes"

Bingo				
0	$14\sqrt{3}$	$\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \rangle$	Neither	306.87°
98.13°	325.49°	$\sqrt{365}$	$\langle -60, -12 \rangle$	114.34°
-28	$\langle 0, -1 \rangle$	Free Space	12	$\langle -5, 7 \rangle$
66.04°	$\sqrt{13}$	$20\mathbf{i} - 2\mathbf{j}$	Parallel	$\langle -6, -11 \rangle$
15	39	$5\sqrt{2}$	140.28°	Orthogonal

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \rangle$	15	Neither	$\langle 0, -1 \rangle$	140.28°
39	12	-28	$14\sqrt{3}$	Parallel
66.04°	$\langle -60, -12 \rangle$	Free Space	$20\mathbf{i} - 2\mathbf{j}$	0
306.87°	$\sqrt{13}$	98.13°	$5\sqrt{2}$	$\sqrt{365}$
$\langle -6, -11 \rangle$	325.49°	114.34°	Orthogonal	$\langle -5, 7 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle -5, 7 \rangle$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\langle -6, -11 \rangle$	$\langle 0, -1 \rangle$	98.13°
66.04°	$14\sqrt{3}$	$\langle -60, -12 \rangle$	39	15
$\sqrt{13}$:	-28	Free Space	325.49°	140.28°
114.34°	$20\mathbf{i} - 2\mathbf{j}$	Orthogonal	$5\sqrt{2}$	12
Neither	$\sqrt{365}$	0	306.87°	Parallel

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	39	-28	$\langle 0, -1 \rangle$	325.49°
66.04°	$\langle -60, -12 \rangle$	114.34°	$\langle -5, 7 \rangle$	0
$5\sqrt{2}$	Orthogonal	Free Space	12	$\langle -6, -11 \rangle$
Parallel	98.13°	$20\mathbf{i} - 2\mathbf{j}$	$\sqrt{365}$	$\sqrt{13}$:
15	$14\sqrt{3}$	Neither	306.87°	140.28°

Vectors : Mixed Review

"GowenNotes"

Bingo				
Parallel	Orthogonal	66.04°	325.49°	306.87°
-28	$\langle -5, 7 \rangle$	39	12	98.13°
$\sqrt{13}$	Neither	Free Space	0	$\langle -60, -12 \rangle$
$\langle 0, -1 \rangle$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	140.28°	$\langle -6, -11 \rangle$	$\sqrt{365}$
15	$20\mathbf{i} - 2\mathbf{j}$	$5\sqrt{2}$	114.34°	$14\sqrt{3}$

Vectors : Mixed Review

"GowenNotes"

Bingo				
-28	140.28°	$\langle 0, -1 \rangle$	306.87°	39
$\langle -5, 7 \rangle$	12	Parallel	$20\mathbf{i} - 2\mathbf{j}$	66.04°
$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	325.49°	Free Space	$14\sqrt{3}$	Neither
$\langle -6, -11 \rangle$	$5\sqrt{2}$	$\sqrt{365}$	0	98.13°
$\sqrt{13}$	Orthogonal	$\langle -60, -12 \rangle$	15	114.34°

Vectors : Mixed Review

"GowenNotes"

Bingo				
12	$14\sqrt{3}$	15	Neither	39
$\langle 0, -1 \rangle$	98.13°	0	-28	$20\mathbf{i} - 2\mathbf{j}$
66.04°	$\langle -60, -12 \rangle$	Free Space	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	140.28°
325.49°	$\sqrt{13}$	$\langle -5, 7 \rangle$	$\langle -6, -11 \rangle$	$5\sqrt{2}$
114.34°	Orthogonal	$\sqrt{365}$	Parallel	306.87°

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle -5, 7 \rangle$	Neither	Parallel	$14\sqrt{3}$	0
325.49°	15	12	Orthogonal	$\langle 0, -1 \rangle$
$\sqrt{13}$	$20\mathbf{i} - 2\mathbf{j}$	Free Space	98.13°	66.04°
$\langle -6, -11 \rangle$	$\langle -60, -12 \rangle$	114.34°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	140.28°
$\sqrt{365}$	$5\sqrt{2}$	-28	39	306.87°

Vectors : Mixed Review

"GowenNotes"

Bingo				
306.87°	$\langle -6, -11 \rangle$	98.13°	Parallel	15
$20\mathbf{i} - 2\mathbf{j}$	$\sqrt{13}$	$5\sqrt{2}$	Neither	12
39	0	Free Space	$14\sqrt{3}$	66.04°
Orthogonal	-28	325.49°	114.34°	140.28°
$\langle -5, 7 \rangle$	$\sqrt{365}$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\langle -60, -12 \rangle$	$\langle 0, -1 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
140.28°	39	114.34°	Parallel	-28
$\langle 0, -1 \rangle$	66.04°	$\langle -6, -11 \rangle$	15	Orthogonal
12	$\sqrt{13}$	Free Space	$\langle -60, -12 \rangle$	$20\mathbf{i} - 2\mathbf{j}$
325.49°	Neither	$\sqrt{365}$	98.13°	0
$\langle -5, 7 \rangle$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	306.87°	$5\sqrt{2}$	$14\sqrt{3}$

Vectors : Mixed Review

"GowenNotes"

Bingo				
0	Neither	$\sqrt{13}$	$\langle -5, 7 \rangle$	$20\mathbf{i} - 2\mathbf{j}$
$\sqrt{365}$	$14\sqrt{3}$	$5\sqrt{2}$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	114.34°
98.13°	$\langle 0, -1 \rangle$	Free Space	15	Parallel
39	Orthogonal	66.04°	325.49°	12
$\langle -6, -11 \rangle$	140.28°	306.87°	-28	$\langle -60, -12 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
140.28°	Neither	0	$20\mathbf{i} - 2\mathbf{j}$	Parallel
39	$\sqrt{365}$	15	325.49°	-28
$\sqrt{13}$	$\langle 0, -1 \rangle$	Free Space	Orthogonal	$\langle -60, -12 \rangle$
306.87°	$14\sqrt{3}$	114.34°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	12
98.13°	$\langle -6, -11 \rangle$	$5\sqrt{2}$	$\langle -5, 7 \rangle$	66.04°

Vectors : Mixed Review

"GowenNotes"

Bingo				
Orthogonal	$20\mathbf{i} - 2\mathbf{j}$	39	$\sqrt{365}$	Parallel
$\langle -6, -11 \rangle$	-28	12	0	$14\sqrt{3}$
$\langle -5, 7 \rangle$	$\langle -60, -12 \rangle$	Free Space	$5\sqrt{2}$	Neither
306.87°	$\sqrt{13}$	325.49°	66.04°	15
114.34°	140.28°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	98.13°	$\langle 0, -1 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
325.49°	$\sqrt{13}$	$5\sqrt{2}$	$\langle 0, -1 \rangle$	0
$20\mathbf{i} - 2\mathbf{j}$	306.87°	-28	Parallel	$\langle -5, 7 \rangle$
$\sqrt{365}$	12	Free Space	98.13°	$\langle -60, -12 \rangle$
Orthogonal	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$14\sqrt{3}$	Neither	$\langle -6, -11 \rangle$
140.28°	66.04°	114.34°	39	15

Vectors : Mixed Review

"GowenNotes"

Bingo				
325.49°	15	140.28°	Parallel	114.34°
Orthogonal	$\sqrt{365}$	12	$20\mathbf{i} - 2\mathbf{j}$	-28
306.87°	$\langle -6, -11 \rangle$	Free Space	$\sqrt{13}$	0
$5\sqrt{2}$	$\langle -60, -12 \rangle$	$\langle 0, -1 \rangle$	$14\sqrt{3}$	39
Neither	66.04°	98.13°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\langle -5, 7 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
Neither	$5\sqrt{2}$	0	$\langle -60, -12 \rangle$	Parallel
$\langle -5, 7 \rangle$	$20\mathbf{i} - 2\mathbf{j}$	12	66.04°	325.49°
$\langle -6, -11 \rangle$	98.13°	Free Space	140.28°	$\sqrt{13}$
39	306.87°	114.34°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\sqrt{365}$
15	$\langle 0, -1 \rangle$	-28	$14\sqrt{3}$	Orthogonal

Vectors : Mixed Review

"GowenNotes"

Bingo				
12	$\langle -6, -11 \rangle$	$5\sqrt{2}$	$\sqrt{365}$	Orthogonal
140.28°	66.04°	$\sqrt{13}$	$14\sqrt{3}$	$20\mathbf{i} - 2\mathbf{j}$
0	325.49°	Free Space	Neither	$\langle -5, 7 \rangle$
114.34°	98.13°	15	$\langle 0, -1 \rangle$	39
-28	$\langle -60, -12 \rangle$	Parallel	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	306.87°

Vectors : Mixed Review

"GowenNotes"

Bingo				
$5\sqrt{2}$	$14\sqrt{3}$	39	0	140.28°
-28	114.34°	Orthogonal	$\langle -5, 7 \rangle$	Neither
$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	306.87°	Free Space	66.04°	$\langle -60, -12 \rangle$
$\sqrt{13}$	$\sqrt{365}$	98.13°	325.49°	$20\mathbf{i} - 2\mathbf{j}$
12	Parallel	$\langle -6, -11 \rangle$	15	$\langle 0, -1 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
15	-28	$\langle -60, -12 \rangle$	114.34°	98.13°
66.04°	$\sqrt{13}$	0	12	$5\sqrt{2}$
$\langle 0, -1 \rangle$	306.87°	Free Space	140.28°	Parallel
$\langle -5, 7 \rangle$	$20\mathbf{i} - 2\mathbf{j}$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	325.49°	$\sqrt{365}$
39	Neither	Orthogonal	$14\sqrt{3}$	$\langle -6, -11 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\sqrt{13}$	Parallel	$\langle -5, 7 \rangle$	0	Neither
98.13°	Orthogonal	140.28°	$20\mathbf{i} - 2\mathbf{j}$	$\langle -6, -11 \rangle$
306.87°	$\langle -60, -12 \rangle$	Free Space	114.34°	325.49°
$\sqrt{365}$	15	$5\sqrt{2}$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\langle 0, -1 \rangle$
66.04°	-28	39	12	$14\sqrt{3}$

Vectors : Mixed Review

"GowenNotes"

Bingo				
$14\sqrt{3}$	98.13°	0	$20\mathbf{i} - 2\mathbf{j}$	Neither
$\langle -60, -12 \rangle$	$\sqrt{13}$	15	$\langle 0, -1 \rangle$	12
-28	140.28°	Free Space	114.34°	39
$\langle -6, -11 \rangle$	$5\sqrt{2}$	$\langle -5, 7 \rangle$	306.87°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$
Parallel	325.49°	Orthogonal	66.04°	$\sqrt{365}$

Vectors : Mixed Review

"GowenNotes"

Bingo				
66.04°	39	$20\mathbf{i} - 2\mathbf{j}$	140.28°	15
0	$\langle -60, -12 \rangle$	$5\sqrt{2}$	$\langle 0, -1 \rangle$	12
$\langle -5, 7 \rangle$	$\sqrt{13}$	Free Space	306.87°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$
$14\sqrt{3}$	$\sqrt{365}$	325.49°	114.34°	Parallel
-28	Neither	$\langle -6, -11 \rangle$	Orthogonal	98.13°

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle 0, -1 \rangle$	Neither	306.87°	66.04°	$\langle -5, 7 \rangle$
$\sqrt{365}$	39	$\langle -6, -11 \rangle$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\langle -60, -12 \rangle$
12	140.28°	Free Space	$5\sqrt{2}$	325.49°
15	Parallel	0	$14\sqrt{3}$	98.13°
114.34°	Orthogonal	$\sqrt{13}$	-28	$20\mathbf{i} - 2\mathbf{j}$

Vectors : Mixed Review

"GowenNotes"

Bingo				
140.28°	66.04°	$\sqrt{13}$	Neither	$\langle -5, 7 \rangle$
39	$20\mathbf{i} - 2\mathbf{j}$	-28	$5\sqrt{2}$	306.87°
325.49°	12	Free Space	114.34°	$\langle 0, -1 \rangle$
98.13°	Orthogonal	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$14\sqrt{3}$	15
Parallel	$\langle -6, -11 \rangle$	0	$\sqrt{365}$	$\langle -60, -12 \rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle 0, -1 \rangle$	$\sqrt{365}$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\sqrt{13}$	12
$20\mathbf{i} - 2\mathbf{j}$	98.13°	$14\sqrt{3}$	$5\sqrt{2}$	0
$\langle -60, -12 \rangle$	15	Free Space	$\langle -6, -11 \rangle$	Orthogonal
306.87°	140.28°	$\langle -5, 7 \rangle$	39	Neither
114.34°	Parallel	66.04°	-28	325.49°

Vectors : Mixed Review

"GowenNotes"

Bingo				
Parallel	Neither	66.04°	39	306.87°
12	$\langle -5, 7 \rangle$	$\langle -6, -11 \rangle$	$20\mathbf{i} - 2\mathbf{j}$	$\langle -60, -12 \rangle$
Orthogonal	$\langle 0, -1 \rangle$	Free Space	$5\sqrt{2}$	$\sqrt{365}$
$14\sqrt{3}$	114.34°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	$\sqrt{13}$	140.28°
98.13°	0	325.49°	-28	15

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle -6, -11 \rangle$	140.28°	0	$\langle 0, -1 \rangle$	$5\sqrt{2}$
325.49°	$\sqrt{13}$	Parallel	98.13°	$\sqrt{365}$
66.04°	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	Free Space	15	39
114.34°	$14\sqrt{3}$	$20\mathbf{i} - 2\mathbf{j}$	$\langle -5, 7 \rangle$	Orthogonal
$\langle -60, -12 \rangle$	-28	Neither	12	306.87°

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle -6, -11 \rangle$	15	$\sqrt{365}$	Orthogonal	Neither
$\langle -60, -12 \rangle$	-28	39	98.13°	$14\sqrt{3}$
$\langle 0, -1 \rangle$	306.87°	Free Space	$5\sqrt{2}$	$20\mathbf{i} - 2\mathbf{j}$
Parallel	325.49°	0	66.04°	$\langle -5, 7 \rangle$
114.34°	12	140.28°	$\sqrt{13}$	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
$\langle -6, -11 \rangle$	$5\sqrt{2}$	$\sqrt{365}$	$\langle -5, 7 \rangle$	98.13°
-28	0	Orthogonal	325.49°	306.87°
$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	66.04°	Free Space	140.28°	Neither
$\sqrt{13}$	15	$20\mathbf{i} - 2\mathbf{j}$	39	$\langle -60, -12 \rangle$
$14\sqrt{3}$	114.34°	12	$\langle 0, -1 \rangle$	Parallel

Vectors : Mixed Review

"GowenNotes"

Bingo				
$20\mathbf{i} - 2\mathbf{j}$	325.49°	Orthogonal	-28	$5\sqrt{2}$
15	98.13°	114.34°	$\langle -6, -11 \rangle$	$\sqrt{13}$
Parallel	$\langle 0, -1 \rangle$	Free Space	12	$\sqrt{365}$
$\langle -5, 7 \rangle$	140.28°	Neither	$\langle -60, -12 \rangle$	39
$14\sqrt{3}$	306.87°	66.04°	0	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$

Vectors : Mixed Review

"GowenNotes"

Bingo				
12	306.87°	$14\sqrt{3}$	$20\mathbf{i} - 2\mathbf{j}$	Neither
15	325.49°	$\langle -6, -11 \rangle$	114.34°	39
$\sqrt{13}$	-28	Free Space	$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	Parallel
$\sqrt{365}$	98.13°	140.28°	$5\sqrt{2}$	$\langle 0, -1 \rangle$
Orthogonal	$\langle -60, -12 \rangle$	$\langle -5, 7 \rangle$	66.04°	0

Vectors : Mixed Review

"GowenNotes"

Bingo				
15	306.87°	12	$\sqrt{365}$	39
-28	$5\sqrt{2}$	$14\sqrt{3}$	$\langle -5, 7 \rangle$	$\langle -6, -11 \rangle$
$\left\langle \frac{13}{31}, -\frac{6\sqrt{22}}{31} \right\rangle$	Neither	Free Space	$\langle -60, -12 \rangle$	140.28°
$20\mathbf{i} - 2\mathbf{j}$	Orthogonal	114.34°	0	$\sqrt{13}$
$\langle 0, -1 \rangle$	325.49°	Parallel	66.04°	98.13°

Vectors : Mixed Review

"GowenNotes"