

```
1 >> A
2 Undefined function or variable 'A'.
3
4 >> A = [1,2,3;8,6,4;3,6,9]
5
6 A =
7
8     1     2     3
9     8     6     4
10    3     6     9
11
12 >> A(1,3)+A(2,1)+A(3,2)
13
14 ans =
15
16     17
17
18 >> A(2:3,1:2)
19
20 ans =
21
22     8     6
23     3     6
24
25 >> A(1,1:2)
26
27 ans =
28
29     1     2
30
31 >> A(:,2)
32
33 ans =
34
35     2
36     6
37     6
38
39 >> x=linspace(0,pi,101)
40
41 x =
```

```
42
43 Columns 1 through 7
44
45      0      0.0314      0.0628      0.0942      0.1257      0.1571 ✓
0.1885
46
47 Columns 8 through 14
48
49      0.2199      0.2513      0.2827      0.3142      0.3456      0.3770 ✓
0.4084
50
51 Columns 15 through 21
52
53      0.4398      0.4712      0.5027      0.5341      0.5655      0.5969 ✓
0.6283
54
55 Columns 22 through 28
56
57      0.6597      0.6912      0.7226      0.7540      0.7854      0.8168 ✓
0.8482
58
59 Columns 29 through 35
60
61      0.8796      0.9111      0.9425      0.9739      1.0053      1.0367 ✓
1.0681
62
63 Columns 36 through 42
64
65      1.0996      1.1310      1.1624      1.1938      1.2252      1.2566 ✓
1.2881
66
67 Columns 43 through 49
68
69      1.3195      1.3509      1.3823      1.4137      1.4451      1.4765 ✓
1.5080
70
71 Columns 50 through 56
72
73      1.5394      1.5708      1.6022      1.6336      1.6650      1.6965 ✓
1.7279
74
```

```
75 Columns 57 through 63
76
77 1.7593 1.7907 1.8221 1.8535 1.8850 1.9164✓
1.9478
78
79 Columns 64 through 70
80
81 1.9792 2.0106 2.0420 2.0735 2.1049 2.1363✓
2.1677
82
83 Columns 71 through 77
84
85 2.1991 2.2305 2.2619 2.2934 2.3248 2.3562✓
2.3876
86
87 Columns 78 through 84
88
89 2.4190 2.4504 2.4819 2.5133 2.5447 2.5761✓
2.6075
90
91 Columns 85 through 91
92
93 2.6389 2.6704 2.7018 2.7332 2.7646 2.7960✓
2.8274
94
95 Columns 92 through 98
96
97 2.8588 2.8903 2.9217 2.9531 2.9845 3.0159✓
3.0473
98
99 Columns 99 through 101
100
101 3.0788 3.1102 3.1416
102
103 >> v=(10:-2:0)
104
105 v =
106
107 10 8 6 4 2 0
108
109 >> w=(5:10)
```

```
110
111 w =
112
113     5     6     7     8     9    10
114
115 >> B=zeros(3,4)
116
117 B =
118
119     0     0     0     0
120     0     0     0     0
121     0     0     0     0
122
123 >> C=ones(2,5)*6
124
125 C =
126
127     6     6     6     6     6
128     6     6     6     6     6
129
130 >> E=randn(3,3)
131
132 E =
133
134     0.5377     0.8622    -0.4336
135     1.8339     0.3188     0.3426
136    -2.2588    -1.3077     3.5784
137
138 >> A(2,:=[]
139     A(2,:=[]
140         ↑
141 Error: The expression to the left of the equals sign is not a valid
target
142 for an assignment.
143
144 >> A(2,:)=[]
145
146 A =
147
148     1     2     3
149     3     6     9
```

```
150
151 >> a=0:3
152
153 a =
154
155     0     1     2     3
156
157 >> b=a'
158
159 b =
160
161     0
162     1
163     2
164     3
165
166 >> c=[1 2 3 4; 5 6 7 8 ; 9 10 11 12]
167
168 c =
169
170     1     2     3     4
171     5     6     7     8
172     9    10    11    12
173
174 >> 2*c-1
175
176 ans =
177
178     1     3     5     7
179     9    11    13    15
180    17    19    21    23
181
182 >> d=[1 2 3 ; 4 5 6]
183
184 d =
185
186     1     2     3
187     4     5     6
188
189 >> e = [ 2 2 2 ; 3 3 3 ]
190
```

```
191 e =
192
193     2     2     2
194     3     3     3
195
196 >> f = d+ e
197
198 f =
199
200     3     4     5
201     7     8     9
202
203 >> g = 2*d-e
204
205 g =
206
207     0     2     4
208     5     7     9
209
210 >> h=d,*e
211 h=d,*e
212     ↑
213 Error: Unexpected MATLAB operator.
214
215 >> h=d.*e
216
217 h =
218
219     2     4     6
220    12    15    18
221
222 >> d./e
223
224 ans =
225
226    0.5000    1.0000    1.5000
227    1.3333    1.6667    2.0000
228
229 >> e./d
230
231 ans =
```

```
232
233     2.0000     1.0000     0.6667
234     0.7500     0.6000     0.5000
235
236 >> e.\d
237
238 ans =
239
240     0.5000     1.0000     1.5000
241     1.3333     1.6667     2.0000
242
243 >> C = A*B
244
245 C =
246
247     0     0     0     0
248     0     0     0     0
249
250 >> A= [1 2 3;4 5 6]
251
252 A =
253
254     1     2     3
255     4     5     6
256
257 >> B = [1 2 ; 3 4;5 6]
258
259 B =
260
261     1     2
262     3     4
263     5     6
264
265 >> C=A*B
266
267 C =
268
269     22     28
270     49     64
271
272 >> x=0:pi/100:2*pi;
```

```
273 >> y=sin(x);
274 >> plot(x,y)
275 Warning: MATLAB has disabled some advanced graphics rendering features by
switching to software OpenGL. For more information, click here.
276 >> xlabel('x');
277 >> ylabel('y');
278 >> title('y=sin(x)')
279 >> x1=0:pi/100:2*pi;
280 >> y1=sin(x1);
281 >> y2=sin(x1-0.25);
282 >> y3=sin(x2-0.5);
283 Undefined function or variable 'x2'.
284
285
286 >> plot(x1,y1,x1,y2,x1,y3)
287 Undefined function or variable 'y3'.
288
289 >> x=0:pi/100:2*pi;
290 y=sin(x);
291 plot(x,y)
292 >> xlabel('x');
293 ylabel('y');
294 title('y=sin(x)')
295 x1=0:pi/100:2*pi;
296 y1=sin(x1);
297 y2=sin(x1-0.25);
298 y3=sin(x1-0.5);
299 >> plot(x1,y1,x1,y2,x1,y3)
300 >> axis([xmin xmax ymin ymax]).
301 axis([xmin xmax ymin ymax]).
302 ↑
303 Error: Expression or statement is incomplete or incorrect.
304
305 >> axis([xmin xmax ymin ymax])
306 Undefined function or variable 'xmin'.
307
308 Did you mean:
309 >> axis([min max min max])
310 Error using min
311 Not enough input arguments.
312
```



```
313 >> t=-pi:pi/100:pi;
314 >> s=cos(t);
315 >> plot(t,s)
316 >> axis([-pi pi -1 1])
317 >> xlabel('-\pi \leq t \leq \pi')
318 >> ylabel('cos(t)')
319 >> title('The Cosine Function')
320 >> text(-2, -0.5, 'This is a note at position (-2,-0.5)')
321 >> axis([xmin xmax ymin ymax]).
322 axis([xmin xmax ymin ymax]).
323                                     ↑
324 Error: Expression or statement is incomplete or incorrect.
325
326 >> axis([xmin xmax ymin ymax])
327 Undefined function or variable 'xmin'.
328
329 Did you mean:
330 >> axis([min max min max])
331 Error using min
332 Not enough input arguments.
333
334 >> t=-pi:pi/100:pi;
335 s=cos(t);
336 plot(t,s)
337 axis([-pi pi -1 1])
338 xlabel('-\pi \leq t \leq \pi')
339 ylabel('cos(t)')
340 title('The Cosine Function')
341 text(-2, -0.5, 'This is a note at position (-2,-0.5)')
342 axis([xmin xmax ymin ymax])
343 Undefined function or variable 'xmin'.
344
345 Did you mean:
346 >> axis([min max min max])
```