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The 'solve' command is a predefined function in MATLAB. The code for solving the above equations using the 'solve' command is as shown. Open a new M-File and type the following code. % To solve the linear equations using the solve command

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Join me as I walk through solving a simple dynamics problem and plug that solution into Matlab. We'll test the code with a few different inputs, and then swi...

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The 'solve' command is a predefined function in MATLAB. The code for solving the above equations using the 'solve' command is as shown. Open a new M-File and type the following code. % To solve the linear equations using the solve command $p = 'x + 2*y = 6';$ $q = 'x - y = 0';$
 $[x,y] = solve(p,q)$ Subs Command

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Solving Problems in Dynamics and Vibrations Using MATLAB

To see this, repeat the above for a spacing of 0.01 instead of 0.05.

```
32. INTRODUCTION TO MATLAB 33 Solving several equations simultaneously
EDU» eqn1='x^2+y^2=12' eqn1 = x^2+y^2=12 EDU» eqn2='x*y=4' eqn2 =
x*y=4 In the above we have defined two equations which we will now
solve for the two unknowns, x and y.
```

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Solving Dynamics Problems with Matlab: Harper, Brian ...

To motivate the ideas we first consider the solution of a model equation of the form $a(x,y)y_{xx}+b(x,y)y_{yy}+c(x,y)y_x+e(x,y)y_y+ f(x,y)y= g(x,y)$, say with Dirichlet boundary conditions in a rectangular domain. To obtain a numerical solution to this problem the first step is to choose an appropriate method and discretization.

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And Knigs
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