```
function [R] = calc_R(axis,angle)
%calc_R: Calculate a rotation matrix (dynamics backwards from
robotics)
  axis = string: 'x', 'y', or 'z' - which axis you are rotating
about
   angle = angle you are rotating in degrees
if axis == 'x'
   R = [...]
       1
                                    0;...
       0
                   cosd(angle)
                                   sind(angle);...
                   -sind(angle)
                                  cosd(angle)]; %from X'Y'Z' to
X"Y"Z"
end
if axis == 'y'
   R = [...]
       cosd(angle)
                     0 -sind(angle);...
                       1 0;...
                       0 cosd(angle)];
       sind(angle)
end
if axis == 'z'
   R = [...]
                     sind(angle)
       cosd(angle)
                                       0;...
       -sind(angle) cosd(angle)
                                       0;...
                                       1]; %from XYZ to X'Y'Z'
end
end
Not enough input arguments.
Error in calc_R (line 6)
if axis == 'x'
```

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