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% Borrar ventana de comandos y cerrar todas las ventanas
% de figuras abiertas
clc;
disp('Funcion VCTRSP')
disp(' ')
close all;
% Conmutatividad
figure(1)
hold off
subplot(121)
h=plot(Ox(1,:),Ox(2,:), 'b--*',Oy(1,:),Oy(2,:), 'b--*');
set(h,'LineWidth',2)
text(x(1)/2,x(2)/2,'\bf x');
text(y(1)/2,y(2)/2,'\bf y');
grid
axis square
axis tight
aa=axis;
axis([min(aa([1,3]))-1,max(aa([2,4]))+1,...
      min(aa([1,3]))-1,max(aa([2,4]))+1])
title('Vectores originales')
subplot(122)
hold off
h=plot(Ox(1,:),Ox(2,:), 'b--*',Oy(1,:),Oy(2,:), 'b--*');
set(h,'LineWidth',2)
hold on
h=plot(Ox(1,:),Ox(2,:), 'r:',xy(1,:),xy(2,:), 'r:',...
      Oxy(1,:),Oxy(2,:), '-m*');
set(h,'LineWidth',2)
h=plot(Oy(1,:),Oy(2,:), 'g:',yx(1,:),yx(2,:), 'g:',...
      Oxy(1,:),Oxy(2,:), '-m*');
set(h,'LineWidth',2)
text(x(1)/2,x(2)/2,'\bf x');
text(y(1)/2,y(2)/2,'\bf y');
text(xy(1,2)/2,xy(2,2)/2,'\bf x+y=y+x')
grid
axis square
axis tight
aa=axis;
axis([min(aa([1,3]))-1,max(aa([2,4]))+1,...
      min(aa([1,3]))-1,max(aa([2,4]))+1])
title('Suma de vectores, conmutatividad')
hold off
disp('Oprima alguna tecla para continuar figura 2');
pause;
% Asociatividad
figure(2)
hold off
subplot(131)
h=plot(Ox(1,:),Ox(2,:), 'b--*',Oy(1,:),Oy(2,:), 'b--*',...
      Oz(1,:),Oz(2,:), 'b--*');
set(h,'LineWidth',2)
text(x(1)/2,x(2)/2,'\bf x');
text(y(1)/2,y(2)/2,'\bf y');
text(z(1)/2,z(2)/2,'\bf z');
grid
axis square
axis tight
aa=axis;

```