
```
% Luis Kligman --- Lab 0

% --- DEFINING VECTORS ---
u = [5, 7, 1];
v = [8, -8, 6];
w = [0, -5, 3];
p = 4*u - 2*v - 2*w

% --- COMPUTE DOT PRODUCTS ---
dot(u, p)
dot(p, v)
dot(u, v)
dot(u, w)

% --- COMPUTE LENGTH ---
% norm() is the built in way to do this
norm(p)

p =

     4     54    -14

ans =

    384

ans =

   -484

ans =

    -10

ans =

   -32

ans =

   55.9285
```

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