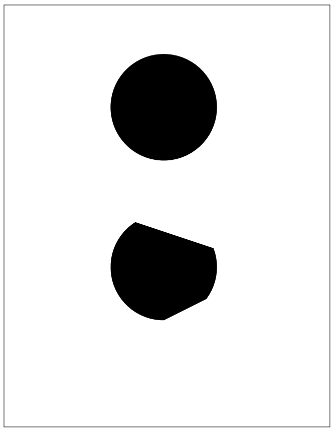
SIPB
Student Information
Processing Board
Room 11-205 x3-7788

Programming in PostScript®
Handout 3
24 January 1989

```
%!
%  Program 1  --  Demonstrate clipping....
%

/circle { currentpoint   % save center
          100 0 rmoveto  % go to edge
          100 0 360 arc  % circle of radius 100
          fill } def

300 600 moveto circle    % do it normally...

200 200 moveto           % Define a clipping path
300 200 lineto
500 300 lineto
200 400 lineto
closepath

clip                     % makes the current path the clipping path
newpath                  % but it doesn't destroy the current path

300 300 moveto circle    % do it clipped...

showpage
```



```
%!
%  Program 2  -- Demonstrate charpath
%

/Times-Roman findfont 100 scalefont setfont   % font stuff

100 400 moveto
(HI) true charpath     % set the current path to the border of "HI"
stroke                 % stroke the current path

gsave
100 200 moveto
(CLIP) true charpath   % set the current path to the border of "CLIP"
flattenpath            % make everything straight lines -- FASTER!!!
clip                   % use it as the clipping path
newpath                % and erase it

0 10 400               % start at 0, step by 10 to 400
{300 moveto            % x-value already on stack from for loop...
200 100 lineto         % radial lines...
stroke} for            % loop for all of these
grestore

%  gsave/grestore preserves the clipping path

400 250 moveto         %  This is outside the "CLIP"
20 0 rlineto
0 20 rlineto
-20 0 rlineto
closepath fill         %  But it gets drawn anyway.

showpage
```