Display Options
View equations as:
○ plainText
⦿ images
○ jsMath
○ asciimath
○ LaTeXMathML

Show saved answers?
⦿ Yes ○ No

WeBWorK → myTestCourse → Demo → 2

Demo: Problem 2   This set is visible to students.

◄ Previous ▲ Prob. List Next ►

Warning -- there may be something wrong with this question. Please inform your instructor including the warning messages below.

WeBWorK Error

WeBWorK has encountered a software error while attempting to process this problem. It is likely that there is an error in the problem itself. If you are a student, report this error message to your professor to have it corrected. If you are a professor, please consult the error output below for more information.

Error messages

Can't locate object method "imageName" via package "WWPlot" at line 125 of [PG]/macros/PGgraphmacros.pl Died within main::init_graph called at line 33 of [TMPL]/setDemo/limits.pg

Error details

```
        Problem2
ERROR caught by Translator while processing problem file:setDemo/limits.pg
****************
Can't locate object method "imageName" via package "WWPlot" at line 125 of [PG]/macros/PGgraphmacros.pl
   Died within main::init_graph called at line 33 of [TMPL]/setDemo/limits.pg

****************

------Input Read
1           DOCUMENT();         # This should be the first executable line in the problem.
2
3           loadMacros(
4                   "PGbasicmacros.pl",
5                   "PGchoicemacros.pl",
6                   "PGanswermacros.pl",
7                   "PGgraphmacros.pl",
8                   "PGauxiliaryFunctions.pl"
9           );
10
11          TEXT(&beginproblem);
12          $showPartialCorrectAnswers = 1;
13
14          $a=random(-3,3,1);
15          $b=random(-2,3,1);
16          $c=random(-3,2,1);
17          $m1=random(-1,1,0.5);
18          $m2=($b - $a)/2;
19          $m3=($c - $b - 1)/2;
20          $m4=random(-1,1,0.5);
21          @slice = NchooseK(3,3);
22
23          @colors = ("blue", "red", "green");
24          @sc = @colors[@slice];   #scrambled colors
25          @sa = ('A','B','C')[@slice];
26
27          $f1 = FEQ("${m1}(x+1) + $a for x in [-2,-1) using color:$sc[0] and weight:2");
28          $f2 = FEQ("${m2}(x-1) + $b for x in (-1,1) using color=$sc[0] and weight:2");
29          $f3 = FEQ("${m3}(x-3) + $c for x in [1,3) using color=$sc[0] and weight=2");
30          $f4 = FEQ("1+$a for x in [-1,-1] using color=$sc[0] and weight=2");
31          $f5 = FEQ("${m4}(x-3) + $c for x in (3,4] using color=$sc[0] and weight=2");
32
33          $graph = init_graph(-3,-6,5,6,'axes'=>[0,0],'grid'=>[8,12]);
34
35          ($f1Ref,$f2Ref,$f3Ref,$f4Ref,$f5Ref) = plot_functions($graph,$f1,$f2,$f3,$f4,$f5);
36
37          BEGIN_TEXT
38          Let F be the function below.$PAR
39          If you are having a hard time seeing the picture clearly, click on the picture.  It will expand to a
40          END_TEXT
41
42          TEXT(image( insertGraph($graph), height=>200, width=>200 ));
43
44          BEGIN_TEXT
45          $BR
46          $BR
47          Evaluate each of the following expressions.  $PAR
48          Note:  Enter 'DNE' if the limit does not exist or is not defined. $PAR
49
50          a) \( \lim_{x \to -1^-} F(x) \) = \{ans_rule(4)\}
51          $PAR
52
```

```
53              b) \( \lim_{x \to -1^+} F(x) \) = \{ans_rule(4)\}
54              $PAR
55
56              c) \( \lim_{x \to -1} F(x) \) = \{ans_rule(4)\}
57              $PAR
58
59              d) \( F(-1) \) = \{ans_rule(4)\}
60              $PAR
61
62              e) \( \lim_{x \to 1^-} F(x) \) = \{ans_rule(4)\}
63              $PAR
64
65              f) \( \lim_{x \to 1^+} F(x) \) = \{ans_rule(4)\}
66              $PAR
67
68              g) \( \lim_{x \to 1} F(x) \) = \{ans_rule(4)\}
69              $PAR
70
71              h) \( \lim_{x \to 3} F(x) \) = \{ans_rule(4)\}
72              $PAR
73
74              i) \( F(3) \) = \{ans_rule(4)\}
75              $PAR
76
77              END_TEXT
78
79              $ap1 = 1 + $a;
80              $bp1 = 1 + $b;
81
82              # limits at -1
83              ANS(num_cmp( [ $a, $a, $a, $ap1] , strings => ['DNE'] ))  ;
84              # limits at 1
85              ANS(num_cmp( [ $b, $bp1,'DNE'] , strings => ['DNE'] ))  ;
86              # limits at 3
87              ANS(num_cmp( [ $c, 'DNE' ] , strings => ['DNE'] ))  ;
88
89
90              ENDDOCUMENT();          # This should be the last executable line in the problem.

-----
```

Request information

Time	Tue Feb 22 12:47:49 2011
Method	GET
URI	/webwork2/myTestCourse/Demo/2/
HTTP Headers	Accept-Charset ISO-8859-1,utf-8;q=0.7,*;q=0.3 User-Agent Mozilla/5.0 (X11; U; Linux x86_64; en-US) AppleWebKit/534.16 (KHTML, like Gecko) Chrome/10.0.648.82 Safari/534.16 Accept application/xml,application/xhtml+xml,text/html;q=0.9,text/plain;q=0.8,image/png,*/*;q=0.5 Connection keep-alive Referer http://hplin/webwork2/myTestCourse/Demo/?effectiveUser=admin&user=admin&key=0wEJGEP9UiAkqh6xwRpu3mbAxICnGat5 Accept-Encoding gzip,deflate,sdch Accept-Language en-US,en;q=0.8 Host hplin

Edit this problem

WeBWorK Warnings

WeBWorK has encountered warnings while processing your request. If this occured when viewing a problem, it was likely caused by an error or ambiguity in that problem. Otherwise, it may indicate a problem with the WeBWorK system itself. If you are a student, report these warnings to your professor to have them corrected. If you are a professor, please consult the warning output below for more information.

Warning messages

- `defined(%hash) is deprecated at /opt/webwork/pg/lib/WeBWorK/PG/Translator.pm line 1673.`
- `(Maybe you should just omit the defined()?)`
- `defined(%hash) is deprecated at /opt/webwork/pg/lib/Value/AnswerChecker.pm line 1566.`
- `(Maybe you should just omit the defined()?)`

Request information

Time	Tue Feb 22 12:47:49 2011
Method	GET
URI	/webwork2/myTestCourse/Demo/2/

This set is visible to students.