```
if (isNaN(angleDeg)) {
    console.log("solnError, toRadians: angleDeg is not a number. The cats are mad.");
                                                                                                                                                                                                                                                                                                                                                                                                                       //returning the boolean result directly. You could also use an if else block. return (!isNaN(inputNum) && (validMin <= inputNum) && (inputNum <= validMax));
                                                                                                                                                                                                                                                                                                                                                                                      console.log("inputNum is not a number! The cats are sad.");
                                                                                                                                                                                                                                                                                                                                     19: function isValidNum(inputNum, validMin, validMax)
                                                                                                                                                                                                                                                                                                                   18: //Check is a input is in range, and is a number
                                                                                                                                                                                                                                                                   return Number(angleDeg) * Math.PI / 180;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -= 80) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ctx.fillRect(-10, -10, 20, 20);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 * Math.PI);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ctx.rotate(toRadians(i));
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           28: //Checking if a number is valid.
29: function drawCat(ctx, x, y) {
30:     "use strict";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  for (i = -50; i >= -130; i
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ctx.translate(50, 0);
                                                                                                      6: //Convert degrees to radians
7: /*global
8: console, prompt
9: */
                                                                                                                                                                              10: function toRadians(angleDeg)
                                                                                                                                                                                                                                                                                                                                                                     if (isNaN(inputNum)) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ctx.translate(x, y);
                                         2: //Example solution lab
3: //Do not copy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ctx.restore();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ctx.arc(0, 0, 50,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ctx.beginPath();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ctx.save();
                                                                                                                                                                                                "use strict";
                                                                                                                                                                                                                                                                                                                                                        "use strict";
                                                                            4: //Author: Kim Lam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ctx.save();
                          1: //CPSC 1045
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 //ears
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        //face
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                var i;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          26: }
  lab6a.js
                                                                                                                                                                                                                                                                                    16: }
                                                                                                                                                                                                                12:
                                                                                                                                                                                                                                                   14:
                                                                                                                                                                                                                                                                   15:
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38:
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95: var canvas = document.getElementById("solnSurface");
96: var ctx = document.getElementById("solnSurface").getContext("2d");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         84: while (!isValidNum(numCats, 1, 10)) {
85: numCats = prompt("How many cats would you like? (1 to 10)");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       91: while (!isValidNum(radius, 0, 200)) {
92:     radius = prompt("What is the radius(0 to 200)?");
93:     radius = Number(radius);
  7
                                                                                       ctx.arc(-20, -30, 5, 0, 2 * Math.PI);
                                                                                                                                                                                  ctx.arc(20, -30, 5, 0, 2 * Math.PI);
ctx.fillStyle = "black";
                                                                                                                                                                                                                                                                                  ctx.arc(0, 0, 5, 0, 2 * Math.PI);
ctx.fillStyle = "black";
                                                                                                                                                                                                                                                                                                                                                                             for (i = 0; i < 3; i = i + 1) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                             ctx.rotate(toRadians(15));
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                                                                                                                                                                                                                                                                                                                                                               ctx.rotate(toRadians(-15));
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         numCats = Number(numCats);
                                                                                                      ctx.fillStyle = "black";
                                                                                                                                                                                                                                                                                                                                                                                                              ctx.lineTo(-70, 0);
ctx.lineTo(70, 0);
                       ctx.fillStyle = "gray";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           81: //Gather the number of cats
                                                                                                                                                                                                                                                                                                                                                                                              ctx.beginPath();
                                                                                                                                                                                                                                                                                                                                                                                                                                               ctx.stroke();
                                                                                                                                                                    ctx.beginPath();
                                                                                                                                                                                                                                                                  ctx.beginPath();
                                                                      ctx.beginPath();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         89: //Obtain the radius
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ctx.restore();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          82: var numCats = NaN;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90: var radius = NaN;
                                                                                                                                                      //eyes Right
                                                                                                                   ctx.fill();
                                                                                                                                                                                                                   ctx.fill();
                                                        //eyes Left
                                                                                                                                                                                                                                                                                                                 ctx.fill();
                                       ctx.fill();
                                                                                                                                                                                                                                                                                                                                                 //Whiskers
                                                                                                                                                                                                                                                    //Nose
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          83: var i;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           77:
78:
79: }
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         87: }
 lab6a.js
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55:
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