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<!DOCTYPE html>
<html lang="ja">
<head>
  <meta charset="UTF-8">
  <title>関数のグラフ表示</title>
  <script>
    function draw(myForm) {
      for (var x = -10; x < 10; x += 0.025) {
        let y1 = eval(myForm.func.value);
        x += 0.025;
        let y2 = eval(myForm.func.value);
        x -= 0.025;
        point.moveTo(x * 20 + 200, 200 - y1 * 20);
        point.lineTo(x * 20 + 200.05, 200 - y2 * 20);
        point.stroke();
      }
    }
  </script>
</head>
<body>
  <h1>関数のグラフ表示</h1>
  <form>
    <input type="text" id="formula" name="func">
    <input type="button" value="描画" onclick="draw(this.form);" style="margin-top:
10px;"><br>
  </form>
  <canvas id="field" width="400" height="400" style="background-color:
#eeeeee;"></canvas>
  <script>
    let formula = document.getElementById('formula');
    let canvas = document.getElementById('field');
    let point = canvas.getContext('2d');
    point.moveTo(0, 200);
    point.lineTo(400, 200);
    point.stroke();
    point.moveTo(200, 0);
    point.lineTo(200, 400);
    point.stroke();
  </script>
</body>
</html>
```

