

Lab 6 โจทย์ข้อ 3

```
program eight;
uses WinCrt;
var d,square_area,circle_area,total_area:real;

begin
  {reading circle diameter from user}
  write('Please input diameter:');
  readln(d);

  {calculating area of eight circle}
  circle_area := 3.14 * (d/2) * (d/2);      {assuming pi = 3.14}
  circle_area := 8 * circle_area;          {8 circles}

  {calculating area of the square}
  square_area := (4 * d) * (2 * d);        {width * height}

  {calculating the shaded area}
  total_area := square_area - circle_area;

  {print out the result}
  writeln('The area is:', total_area:1:2);

end. {bye bye}
```
