

**NO CALCULATORS OR ANY OTHER ELECTRONIC DEVICES!**

1. (7 points) Sketch the graph of  $f(x) = 1 - \sin(2x - 4)$

2. (1 point) What is the period of  $f$ ? 2. \_\_\_\_\_

3. (1 point) What is the domain of  $f$ ? 3. \_\_\_\_\_

4. (1 point) What is the range of  $f$ ? 4. \_\_\_\_\_