1.
**PUM (Problems per User Month):**

PUM = (Total Problems Reported / Total User Months)

In this case, Total Problems Reported = 200 and Total User Months = 3 (since it's a 3-month period and there are 50 licensed copies installed).

PUM = 200 / 3 = 66.67

So, PUM is approximately 66.67.

2.
**Defect Density:**

Defect Density = (Total Defects / Size of the Application)

Since we don't have information about the size of the application, we can't calculate the defect density without that information.

**3. BMI (Bad Fix Impact):**

BMI = (False Positives / Total Defects Closed)

In this case, False Positives (FP) = 45 and Total Defects Closed = 156.

BMI = 45 / 156 ≈ 0.2885 (rounded to 4 decimal places)

So, BMI is approximately 0.2885.

**4. Percent Delinquent Fixes:**

Percent Delinquent Fixes = (Defects Closed After Response Time / Total Defects Closed) * 100

In this case, Defects Closed After Response Time = Total Defects Closed - Defects Closed Within Response Time = 156 - 144 = 12.

Percent Delinquent Fixes = (12 / 156) * 100 ≈ 7.69% (rounded to 2 decimal places)

So, the percent of delinquent fixes is approximately 7.69%.