Name	
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## AP CS A - Midterm Exam Multiple Choice

1. Consider a PocketMonster class which has three integer fields: health, power, and accuracy. The PocketMonster class has two methods, bite and heal. The constructor works as follows:

Create pika with health 100, power 80 and 30 accuracy

```
PocketMonster pika = new PocketMonster(100, 80, 30);
```

The bite method returns an integer representing damage done. The accuracy field represents a percentage from 1 to 100. The method returns the full value of power only accuracy% of the time; otherwise the method returns 0.

The heal method will increase the health field by one third of the current value of the power field (rounded down).

Using the example constructed above:

```
pika.bite() //returns 80

pika.bite() //returns 0

pika.bite() //returns 0

pika.heal() //increase the health from 100 to 126
```

Write the PocketMonster class beginning on the next page.

AP Computer Science A Midterm Exam MC

Write the PocketMonster class on the space below.