1.

(1): True

(2):False

Because the has-a relationship represents the composition, and the is-a relationship represents the inheritance .

(3):False

Because “Faculty” and “Course” are not inherited by “Student” .

(4):True

(5):True

|  |
| --- |
| MasterStudent |

2.

|  |
| --- |
| DoctoralStudent |

|  |
| --- |
| GraduateStudent |

|  |
| --- |
| Student |

|  |
| --- |
| Freshman |

|  |
| --- |
| UndergraduaStudent |

|  |
| --- |
| Sophomore |

|  |
| --- |
| Junior |

|  |
| --- |
| Senior |

Freshman、Sophomore 、Junior 、Senior are “UndergraduaStudent”, and they are also “Student” .

MasterStudent、DoctoralStudent are “GraduateStudent”, and they are also “Student” .