一、

1)
```sql
SELECT CNAME, TEACHER
FROM S, C, SC
WHERE S.S# = SC.S# AND C.C# = SC.C# AND S.S# = "003"
```

2)
```sql
SELECT SNAME
FROM S, C, SC
WHERE S.S# = SC.S# AND C.C# = SC.C# AND S.AGE = " 男"
    AND C.TEACHER = " 程军"
```

3)
```sql
SELECT CNAME
FROM C
EXCEPT
SELECT CNAME
FROM S, C, SC
WHERE S.S# = SC.S# AND C.C# = SC.C# AND S.SNAME = " 刘丽"
```

4)
```sql
SELECT S#, SNAME
FROM S, SC
WHERE S.S# = SC.S#
GROUP BY S.S# HAVING AVG(GRADE) < 60
```

5)
```sql
SELECT S#
FROM S, SC
WHERE S.S# = SC.S#
GROUP BY S.S# HAVING COUNT(*) >= 3
ORDER BY S# ASC
```

二、

1)
```sql
CREATE TABLE Classes
(
    class CHAR(20) PRIMARY KEY,
    type CHAR(2),
    country CHAR(15),
    numGuns SMALLINT,
    bore, SMALLINT,
    displacement, INT
);

CREATE TABLE Ships
(
```

```
        name CHAR(20) PRIMARY KEY,

        class CHAR(20),

        launched SMALLINT,

        FOREIGN KEY (class) REFERENCES Classes(class)
    );
```

说明，主键可以唯一区分实体，外键需要存在。

2)　　a.

　　b.

　　c.

3)

三、