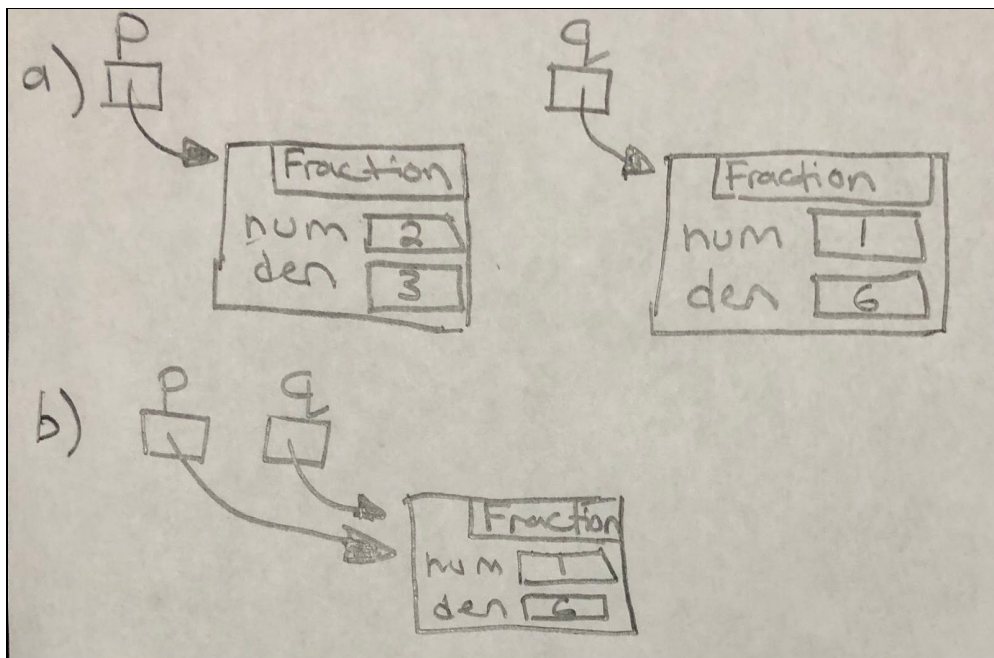


Dev Patel  
ICS 4U1  
Mr. Cardoso  
Tuesday, January 5, 2021

### Homework - Section 6.5 (#1-5)

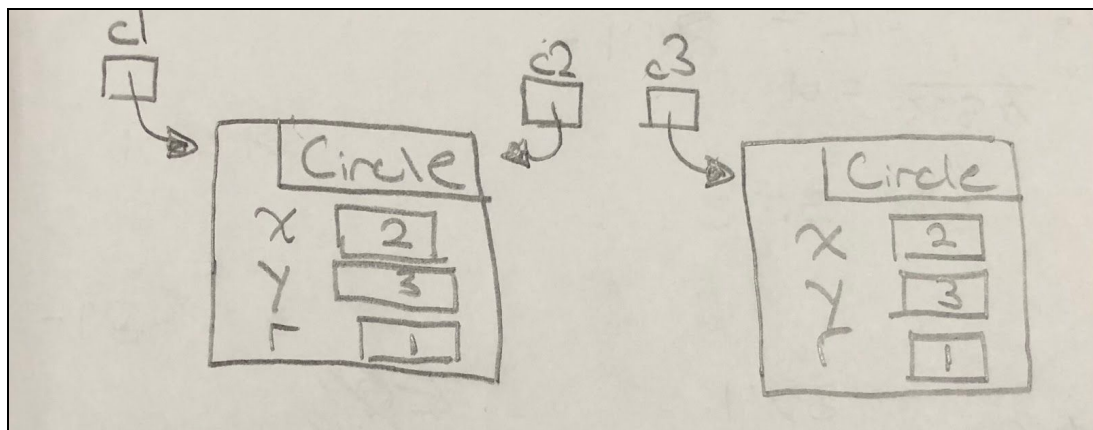
1 `p == q` is only true if they are referenced to the same object. (the assignment statement `p = q` or `q = p` is called)

2



3 a) `Circle c2 = c1;`  
b) `Circle c3 = new Circle(c1);` //using constructor method

c)



d) true  
e) false  
f) 

```
public boolean equals(Circle other){
    if(this.x==other.x&&this.y==other.y&&this.r==other.r)
        return true;
    else
        return false;
}
```

  
g) 

```
public String toString(){
    return "centre : (" +this.x+"," +this.y+") radius: "
                                                +this.r;
}
```

4 

```
public boolean equals(Child other){
    if(Math.abs(this.height - other.height) <= 2 &&
        Math.abs(this.mass - other.mass) <= 2)
        return true;
    else
        return false;
}
```

5 

```
public boolean equals(Fraction other){
    Fraction temp1 = new Fraction(this.num, this.den)
    Fraction temp2 = new Fraction(other.num, other.den);
    temp1.reduce();
    temp2.reduce();
    if(temp1.num == temp2.num && temp1.den == temp2.den)
        return true;
    else
        return false;
}
```