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ICS 4U1
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Homework - Section 6.6 (#1-2)

- 1
 - a) A is a class method because it has static, whereas B is an instance method because it does not have static.
 - b) `double discArea = Circle.area(disc);`
 - c) `double discArea = disk.area();`
 - d)

```
public static double area(Circle c){
    double area = Math.PI*(c.r*c.r);
    return area;
}
public double area(){
    double area = Math.PI*(this.r*this.r);
    return area;
}
```
 - e)

```
public static double areaRatio(Circle c1, Circle c2){
    double areaRatio = c1.area() / c2.area();
    return double;
}
```
- 2
 - a)

```
public static Fraction product(Fraction f1, Fraction f2){
    Fraction prod = new Fraction();
    prod.num = f1.num * f2.num;
    prod.den = f2.den * f1.den;
    return prod;
}
```
 - b)

```
public static Fraction abs(Fraction f){
    Fraction abs = new Fraction();
    abs.num = Math.abs(f.num);
    abs.den = Math.abs(f.den);
    return abs;
}
```

```
c) public static boolean isPositive(Fraction f){  
    double decimal = f.num / f.den;  
    if (decimal > 0)  
        return true;  
    else  
        return false;  
}
```