Task 1. *Barr 4.3 exercise 1ce*

Task 2. *Barr 4.3 exercise 2af, notice that to find the remainder after division by m is the same as taking mod m.*

Task 3. *Barr 4.4 exercise 1a*

Task 4. *Barr 4.4 exercise 2a*

Task 5. *Barr 4.4 exercise 5*

Task 6. *Barr 4.4 exercise 6*

Task 7. *(Bonus question) Barr 4.4 exercise 10*

Task 8. *Barr 4.6 exercise 3*