# MATH/CS 295: CRYPTOGRAPHY
# HOMEWORK #11 ADDITIONAL PROBLEMS

**Problem 4.A***. Decrypt the following message, which was encrypted using a Vignère cipher.

```
mgodt beida psgls akowu hxukc iawlr csoyh prtrt udrqh cengx
uuqtu habxw dgkie ktsnp sekld zlvnh wefss glzrn peaoy lbyig
uaafv eqgjo ewabz saawl rzjpv feyky gylwu btlyd kroec bpfvt
psgki puxfb uxfuq cvymy okagl sactt uwlrx psgiy ytpsf rjfuw
igxhr oyazd rakce dxeyr pdobr buehr uwcue ekfic zehrq ijezr
xsyor tcylf egcy
```

(a) Use the method of displacement coincidences to guess the key length.
(b) Use the Kasiski test of matching trigrams to give more evidence for your guess for the key length.
(c) Use frequency analysis with the guessed key length to decrypt the message.