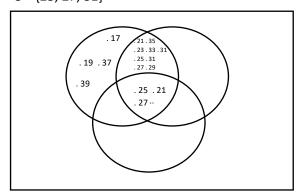
## LEMBAR JAWABAN UTS 1

Nama Mahasiswa : Tarisa Dwi Septia NIM : 205410126

\_\_\_\_\_\_

## Jawaban UTS

1. a) 
$$226_{10}$$
 =  $1110_{0010_2}$   
b)  $1011011_2$  =  $89_{10}$ 



b) A 
$$\cap$$
 B = {21, 23, 25, 27, 29, 31, 33, 35}

## C subset B

$$C = \{25, 27, 31\}$$

$$B = \{21, 23, 25, 27, 29, 31, 33, 35\}$$

## Jadi C subset B

$$f(x) = 2x^2 + 1$$

$$y = 2x^2 + 1$$

$$2x^2 = y - 1$$

$$X^2 = \frac{y-1}{2}$$

$$X = \sqrt{\frac{y-1}{2}}$$

$$f^{-1}(y) = \sqrt{\frac{y-1}{2}}$$

$$f^{-1}(x) = \sqrt{\frac{x-1}{2}}$$

(g O f) (x) = g (f(x))  
= 
$$(2x^2 + 1) + 2$$
  
=  $2x^2 + 3$ 

$$= 2x^{2} + 3$$

$$= 2(2)^{2} + 3$$

$$= 2 \times 4 + 3$$

$$= 11$$