Nome: Lucas Sales Salvo Petruci

1) a)

$$T(1) = 1$$

 $T(2) = 1 + 3$
 $T(3) = (1 + 3) + 3$
 $T(4) = (1 + 3 + 3) + 3$
 $T(n) = (n - 1) + 3$

b)
$$T(1) = 10$$

$$T(2) = 10 + 10$$

$$T(3) = 10 + 10 + 10$$

$$T(4) = 10 + 10 + 10 + 10$$

$$T(n) = 10n$$