

## PRE-AP ALGEBRA 2

## 2A.3 CLASSWORK

- 1) For  $f(x) = x^2 - 7x + 5$  and  $g(x) = 3x + 11$ , calculate

- a)  $f(g(x))$
- b)  $g(f(x))$
- c)  $f(g(3))$
- d)  $g(f(3))$

- 2) Let

$e \equiv$  E.U. shoe size

$m \equiv$  U.S. men's shoe size

$w \equiv$  U.S. women's shoe size

where the conversions are

$$w(e) = \frac{1}{28}(22e - 633)$$

$$e(m) = \frac{1}{22}(28m + 675).$$

Calculate  $w(e(m)) = w(m)$  and state its meaning.