problem 6:

$$7 2 = 7 4 \times 5 (f(f(f(cat))), t, y_{\epsilon})$$

= $7 5 (f(f(f(cat))), t, y_{1})$

(3) (KB2 N 7d):

$$= 7S \left(f(f(cat)), \chi, Z3 \right) \vee S \left(f(f(f(cat))), \chi, f(Z3) \right)$$

$$= 75 \left(f(Cat) \right), x, Z4$$

(4) from KB2 and 3:

$$= 75 \left(f(cat) , \chi, 25 \right)$$

5 From KBZ and y:

$$= S(Cat, x, x) + 7S(Cat, x, x) = \frac{3}{3}$$