1)
$$S = \frac{(C - A^B)}{(B - C) * A}$$

<u>a)</u>

Pop op;	(op) ← topo
Push op;	topo ← (op)
Sub;	topo ← topo - topo ₋₁
Mul;	topo ← topo * topo ₋₁
Div;	topo ← topo / topo ₋₁
Pow;	topo ← topo ** topo ₋₁

b)

Push B;

Push A;

Pow;

Push C;

Sub;

Pop S;

Push C;

Push B;

Sub;

Push A;

Mul;

Push S;

Div;

Pop S;

2)
$$S = \frac{(C - A^3)}{(B - 5) * (A + 2)}$$

a)

op;	W	← (op)
op;	(op)	← W
op;	W	← W + (op)
op;	W	← W + op
op;	W	← W - (op)
op;	W	← W - op
op;	W	← W * (op)
op;	W	← W / (op)
op;	W	← W ** op
	op; op; op; op; op;	op; (op) op; W

b)

Movemw B;

SubI 5;

Movewm S;

Movemw A;

AddI 2;

Mul S;

Movewm S;

Movmw A;

PowI 3;

Movwm S1;

Movmw C;

Sub S1;

Div S;

Movewm S;