

Day 7

$$N(5(1+i)) = N(5+5i) = (5+5i)(5-5i) = 50$$
$$N((2+i)(3+i)) \neq$$

$$N(2+i) = (2+i)(2-i) = 5$$

$$N(3+i) = (3+i)(3-i) = 10$$

$$5 \cdot 10 = 50 \text{ Whoa!}$$

$$50 = 5 \cdot 2 \cdot 5$$
$$(1+2i)(1+i)(1+2i) = -7+i \text{ and } N(-7+i) = 50$$