

Order of Operations

October 14, 2013

1. SIMPLIFY:

$$2 + 3[-7 + 3(2^3 - 6)^2 + 4] \div (5^2 - 4^2)$$

$$2 + 3[-7 + 3(8 - 6)^2 + 4] \div (25 - 16)$$

$$2 + 3[-7 + 3(2)^2 + 4] \div 9$$

$$2 + 3(-7 + 12 + 4) \div 9$$

$$2 + 3(5 + 4) \div 9$$

$$2 + 3(9) \div 9$$

$$2 + 27 \div 9$$

$$2 + 3$$

$$= 5$$