

Algebra 0507

Chapter 1

Intro to WS # 7

Name _____

Simplify each expression by: a) Order of Operations
b) Distributive Property

1. $7(4-1)$ a) $7(\underline{4-1})$ $7(3) = 21$ b) $7(\underline{4-1})$ $28 - 7 = 21$	2. $8(6-3+9)$ a) $8(\underline{6-3+9})$ $8(\underline{3+9})$ $8(12) = 96$ b) $8(\underline{6-3+9})$ $48 - 24 + 72$ $24 + 72 = 96$
3. $\frac{2}{3}(6-3)$ a) $\frac{2}{3}(\underline{6-3})$ $\frac{2}{3}(\underline{\frac{3}{1}}) = 2$ b) $\frac{2}{3}(\underline{6-3})$ $\rightarrow 4-2$ $\frac{2}{3}(\underline{3}) - \frac{2}{3}(3) = 2$	4. $\frac{1}{4}(16-4+8)$ a) $\frac{1}{4}(\underline{16-4+8})$ $\frac{1}{4}(\underline{12+8})$ $\frac{1}{4}(20) = 5$ b) $\frac{1}{4}(\underline{16-4+8})$ $\frac{1}{4}(16) - \frac{1}{4}(4) + \frac{1}{4}(8) = 5$ $4 - 1 + 2 = 5$
5. $5(10-6+8)$ a) $5(\underline{4+8})$ $5(12)$ 60 b) $5(\underline{10-6+8})$ $50 - 30 + 40$ $20 + 40 = 60$	6. $4(7+2-4+6)$ a) $4(\underline{7+2-4+6})$ $4(\underline{9-4+6})$ $4(\underline{5+6})$ 44 b) $4(\underline{7+2-4+6})$ $28 + 8 - 16 + 24$ $36 - 16 + 24$ $20 + 24 = 44$