

BE-1A MONDAY 9-10-07

* COPY FOR NOTES *

SIGN RULES +, -

- SAME SIGNS ADD, KEEP SAME SIGN
EX) $3+3=6$ EX) $-3-3=-6$
- OPPOSITE SIGNS SUBTRACT, "biggest sign wins"
EX) $-2+6=4$ EX) $2-6=-4$
- SPECIAL CASE: TAKING AWAY A NEGATIVE IS A POSITIVE
EX) $7-(-2) = 7+2 = 9$

SIGN RULES $\cdot, \div$

- SPDN $\Rightarrow$ Same sign Positive, Different sign Negative

EX) $-4(-4)=16$ EX) $\frac{-8}{2} = -4$

① $-12+16=?$

② $-8-7=?$

③ $-4(3)=?$

④ $\frac{5}{-5}=?$

EXAM 1 = WEDNESDAY

1.
Review Graded • HW # 4 $\Rightarrow$ WS 1-3

• HW # 5 $\Rightarrow$ WS 1-6

• Quiz 4

mlu Quiz 4's $\Rightarrow$ DO NOW!

Review

• DEFINE "Like Terms"

• Simplify

① $8x - 3x + 5(2x - 4)$

② $\frac{1}{2}(10x + 12)$

③ $5xy + 2x + 6y + 4xy + 5x^2$

④ $(-3)^1 = ?$	{	⑦ $-3^1 = ?$
⑤ $(-3)^2 = ?$		⑧ $-3^2 = ?$
⑥ $(-3)^3 = ?$		⑨ $-3^3 = ?$

Write an algebraic expression for each verbal expression, then simplify.

① twice the sum of s and t decreased by s

2. $\underbrace{\hspace{1.5cm}}_{(s+t)} \quad \underbrace{\hspace{1.5cm}}_{-} \quad \underbrace{\hspace{1.5cm}}_s$

$$\boxed{2(s+t) - s}$$

$$2(s+t) - s$$

$$2s + 2t - s$$

$$2s - s + 2t$$

$$\swarrow \quad \searrow$$

$$1s + 2t$$

$$\boxed{s + 2t}$$

② five times the product of x and y increased by $3xy$

$$\underbrace{5 \cdot} \quad \underbrace{xy} \quad + \quad \underbrace{3xy}$$

$$\boxed{5xy + 3xy}$$

$$5xy + 3xy = \boxed{8xy}$$

Practice Quiz 2 on Page 36

Homework: Pg. 63 # 1 to 10