

BE-1A MONDAY 8-25-08

Use MENTAL MATH AND PLACE VALUE TO
CONVERT (change) EACH fraction to a decimal.

If you get stuck, use long division $\Rightarrow$ "MOON the fraction"

① $\frac{1}{10}$

② $\frac{2}{10}$

③ $\frac{9}{10}$

④ $\frac{17}{100}$

⑤ $\frac{3}{1000}$

⑥ $\frac{18}{10}$

⑦ $\frac{13}{100}$

⑧ $\frac{18}{1000}$

⑨ Add $4 + \frac{1}{10}$ using decimals

⑩ Add $12 + \frac{17}{100}$ using decimals

⑪ $4^2 + (12 \div 3 \cdot 2) \div 4$

ANS $4^2 + (4 \cdot 2) \div 4$

PE $(\vec{MD})(\vec{AS})$

$$4^2 + (8) \div 4$$

$$16 + (8) \div 4$$

$$16 + 2 = \boxed{18}$$

Algebra 1A Quarter 1 Quiz 2 RESULTS

Overall: 73.9 % Avg.

Per. 1: 75.4 % Avg.

Per. 3: 69.4 % Avg.

Per. 4: 75.4 % Avg.

- Show work
- Use PE(MD)(AS)
- Know times tables

(*)d $\Rightarrow$ Substitution Property

if $a = b$ for any numbers a b then you can replace a with b in any expression.

(EX) $x = 4$ AND $3x + 6$
 $3(\) + 6$

$3(4) + 6 = 12 + 6 = \boxed{18}$

LOOK

(*)M $\Rightarrow$ Parentheses are your friend when you substitute.

(EX) $y = 6$ AND $y^2 + y + 2$

$(\)^2 + (\) + 2$

$(6)^2 + (6) + 2$

$36 + 6 + 2$

$42 + 2 = \boxed{44}$

ⓧ $x = 3 \quad y = 5$

$$2x^2 + 5xy - 1$$

$$2(\quad)^2 + 5(\quad)(\quad) - 1$$

$$2(3)^2 + 5(3)(5) - 1 \quad \text{PE}(\overrightarrow{MD})(\overrightarrow{AS})$$

$$2(9) + 5(3)(5) - 1$$

$$18 + 5(3)(5) - 1$$

$$18 + 15(5) - 1$$

$$18 + 75 - 1$$

$$93 - 1 = \boxed{92}$$

Summary - how to substitute

- Rewrite problem, use parentheses for variables
- SUBSTITUTE VALUES for variables
- use $\text{PE}(\overrightarrow{MD})(\overrightarrow{AS})$ to solve.

* EX 4 Pg 12

$$a = 7 \quad b = 3 \quad c = 5$$

$$a^2 - (b^3 - 4c)$$

$$(\quad)^2 - [(\quad)^3 - 4(\quad)]$$

THIS STEP SHOWN
FOR TEACHING

$$(7)^2 - [(3)^3 - 4(5)]$$

Your NEXT STEP
will end up
like this.

$$7^2 - [27 - 4(5)]$$

PE(MD)(AS)

$$7^2 - [27 - 20]$$

$$7^2 - [7]$$

$$49 - 7 = \boxed{42}$$

Your turn: try: $x = 4 \quad y = 3 \quad z = 2$

Evaluate: $2(x^2 - y) + z^2$

$$2[4^2 - (3)] + (2)^2$$

$$2[16 - 3] + 4$$

$$2[13] + 4 \Rightarrow 26 + 4 = \boxed{30}$$

Homework:

- Page 13 # 10-12
- ORGANIZE NOTES