QUIZ 2

Take out your homework, so I can check it.

1) $(8p + 4)(5p + 5)$

$40p^2 + 60p + 20$

2) $(m + 4)(6m + 8)$

$6m^2 + 32m + 32$

3) $(4b + 4)(8b - 8)$

$32b^2 - 32$

4) $(4b - 3)(2b - 1)$

$8b^2 - 10b + 3$

5) $(5x - 2)(2x^2 + 2x - 4)$

$10x^3 + 6x^2 - 24x + 8$

6) $(7x - 2)(6x^2 + 2x - 3)$

$42x^3 + 2x^2 - 25x + 6$
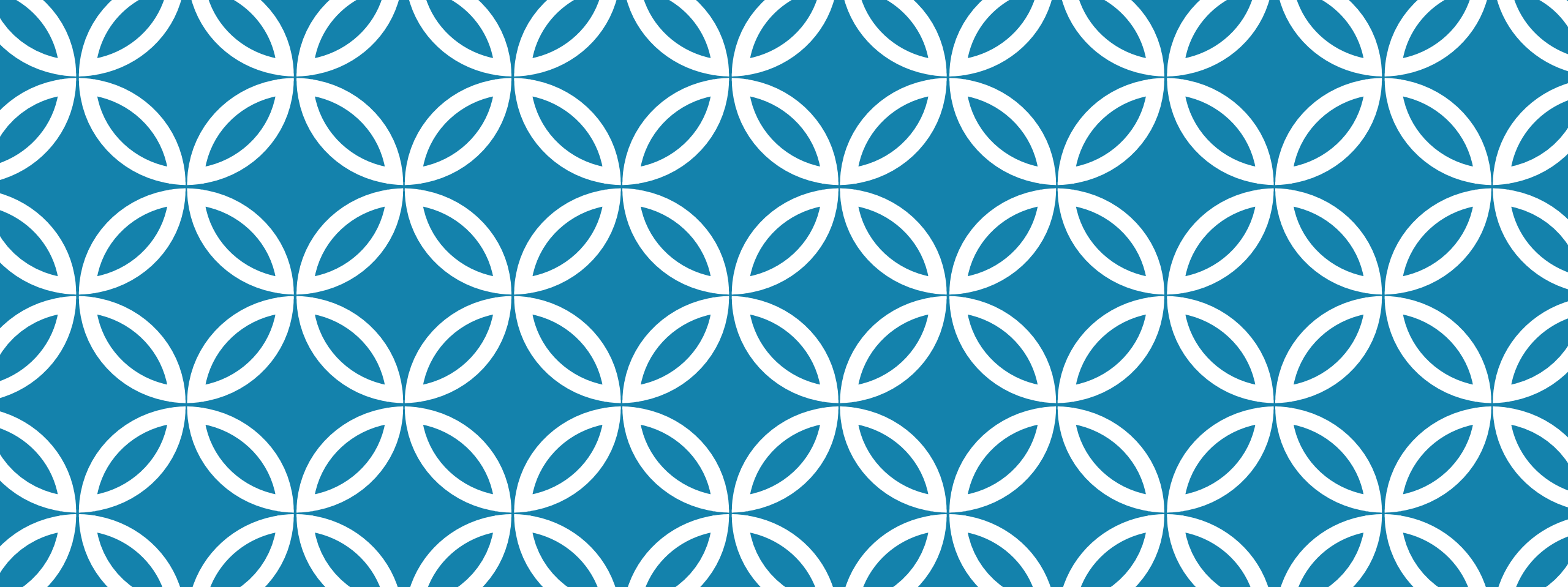
RECAP

Goal: To identify, evaluate and use operations with expressions/polynomials.

Obj: SWBAT complete the following problems.

WRITE EXPRESSIONS GAME

PROBLEM 1:

Evaluate the expression when $x = 3$ and $y = -2$

$20x \div 2y + 7$ $3y^2 + (x - y)$

PROBLEM 1A:

Evaluate the expression when $x = 3$ and $y = -2$

$5x - 2(7 - y)^2$ $8 - 12y \div 4x$

PROBLEM 1B:

Evaluate the expression when $x = 3$ and $y = -2$

$4(x - y)^2 + 5$
$\qquad\qquad\qquad\qquad 6(2x + 1) - 5y^2$

PROBLEM 2:

Write an equivalent expression in simplest form.

$7x - 6 + 3x - 9$

PROBLEM 2:

Write an equivalent expression in simplest form.

$$7x - 10 + 6xy - 22x + 15 - 9xy$$

PROBLEM 2A:

Write an equivalent expression in simplest form.

$$5x^2 - 7x^2y^3 + 8 + 9x^2y^3 - 3 + 4x^2$$

PROBLEM 3:

Which expressions below are equivalent? (hint: there is more than one)

$$3(2x + 7) - 5 + 8x$$

I. $14x + 16$

II. $6x + 7 - 5 + 8x$

III. $14x + 21 - 5$

IV. $-2x + 16$

V. $21 + 6x - 5 + 8x$