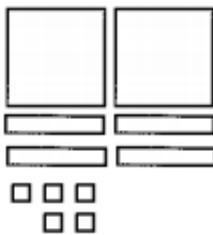


Name: _____

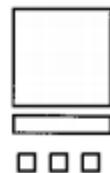
Period: _____

1. Write the polynomial sum modelled by each set of tiles.

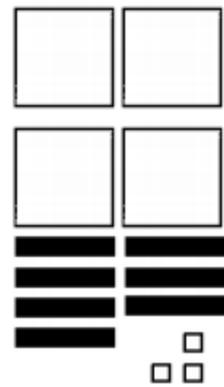
a)



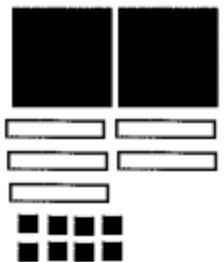
+



b)



+



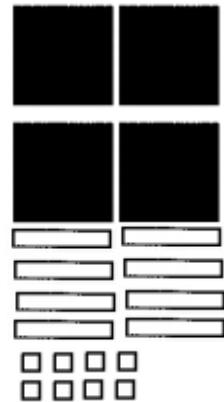
c)



+



d)



+



2. Add these polynomials.

a)

$$\begin{array}{r} 5x^2 - 3x + 8 \\ + 2x^2 + 7x - 10 \\ \hline \end{array}$$

b)

$$\begin{array}{r} 6x^2 - 4x - 17 \\ + -2x^2 - 5x + 10 \\ \hline \end{array}$$

c)

$$\begin{array}{r} -3x^2 - 12x + 28 \\ + 4x^2 + 7x - 15 \\ \hline \end{array}$$

d)

$$\begin{array}{r} -7x^2 - 9x - 18 \\ + -3x^2 + 6x - 14 \\ \hline \end{array}$$

3. Add.

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

b) $(5x^2 - 8x - 12) + (-3x^2 + 4x - 13)$

c) $(2x+15) + (2y-8) + (5x-9y)$

d) $(7-8x^2 + 12x) + (5-21x+13x^2)$

e) $(24x-12x^2 + 1) + (15-20x-3x^2)$

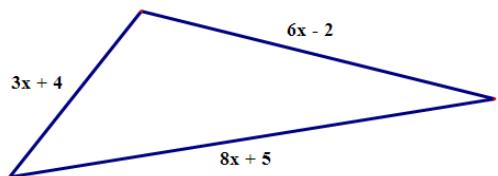
f) $(5x-2x^2) + (9x^2 - 7) + (15-6x^2 + 18)$

g) $(15xy + 16x^2y - 10xy^2) + (9x^2y - 11xy - 8xy^2)$

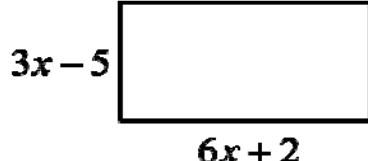
h) $(14x^2y^2 - 16xy^2 + 20x^3y^2) + (4x^2y^3 - 6x^2y^2 + 2x^3y^2) + (10xy^2 - x^2y^2)$

4. For each shape below, write the perimeter.

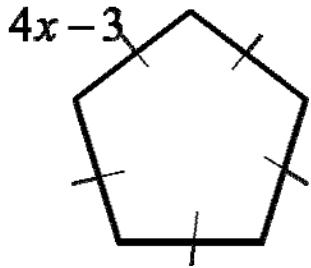
a) A



b)



c)



d)

