

Name: _____

Period: _____

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

a)	b)
c)	d)

2. Add these polynomials.

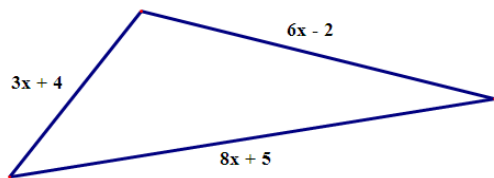
a) $\begin{array}{r} 5x^2 - 3x + 8 \\ + \quad 2x^2 + 7x - 10 \\ \hline \end{array}$	b) $\begin{array}{r} 6x^2 - 4x - 17 \\ + \quad -2x^2 - 5x + 10 \\ \hline \end{array}$
c) $\begin{array}{r} -3x^2 - 12x + 28 \\ + \quad 4x^2 + 7x - 15 \\ \hline \end{array}$	d) $\begin{array}{r} -7x^2 - 9x - 18 \\ + \quad -3x^2 + 6x - 14 \\ \hline \end{array}$

3. Add.

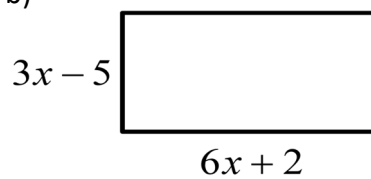
a) $(3x + 5) + (8 - 7x + x^2)$	b) $(5x^2 - 8x - 12) + (-3x^2 + 4x - 13)$
c) $(2x + 15) + (2y - 8) + (5x - 9y)$	d) $(7 - 8x^2 + 12x) + (5 - 21x + 13x^2)$
e) $(24x - 12x^2 + 1) + (15 - 20x - 3x^2)$	f) $(5x - 2x^2) + (9x^2 - 7) + (15 - 6x^2 + 18)$
g) $(15xy + 16x^2y - 10xy^2) + (9x^2y - 11xy - 8xy^2)$	
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.

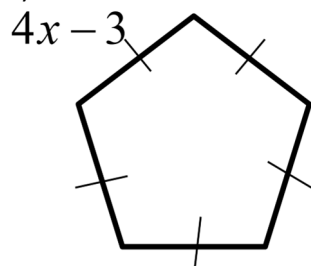
a) A



b)



c)



d)

