

Name: \_\_\_\_\_

## Operations with Polynomials

1) Find each difference.

1)

$$\begin{array}{r} 3x - 4 \\ (-) 2x + 3 \\ \hline \end{array}$$

2)

$$\begin{array}{r} 5m^2 - m + 2 \\ (-) 2m^2 + 2m + 5 \\ \hline \end{array}$$

3)

$$\begin{array}{r} 11a^2 - 2a - 1 \\ (-) 5a^2 + 6a + 2 \\ \hline \end{array}$$

2) José designs picture frames in nonstandard sizes. The width of one rectangular frame is  $2x + 5$  and the length is  $5x - 9$ .

1) What is the perimeter of this type of frame written as a polynomial?

2) What is the perimeter of the frame if  $x = 7$  inches?3) A garden located on the grounds of a new museum has width  $a$  and length  $3a + 7$ .

1) Write an expression in simplest form for the perimeter of the garden.

2) If  $a$  is 12 feet, find the perimeter of the garden.

4) Simplify.

(1)  $3p - 2q + p + q$

(2)  $3p^2 + 2pq - q^2 - 7pq$

(3)  $5p - 7q - 2p - 3q + 3pq$

5) Put the following together as much as possible.

(a)  $3a + 2b + 5a + 7c - b - 4c$

(b)  $3ab + b + 5a + 2b + 2ba$

(c)  $7p + 3pq - 2p + 2pq + 8q$

(d)  $5x + 2y - 3x + xy + 3y + 2xy$

the 1990s, the number of people in the world who are illiterate has increased from 1.2 billion to 1.5 billion.

There are many reasons for this. One is that the population of the world is growing so fast that the number of children who are illiterate is increasing. Another reason is that the number of people who are illiterate is increasing in many countries, especially in the developing world. This is because many of these countries do not have enough schools or teachers to educate all of their children.

There are also many people who are illiterate because they do not have enough money to go to school. In many countries, the cost of education is very high, and many families cannot afford it. This is especially true in the developing world, where the cost of education is often a significant portion of a family's income.

There are also many people who are illiterate because they do not have enough time to go to school. In many countries, the school year is very short, and many children have to work to help support their families. This is especially true in the developing world, where many children are needed to help with the household or to work on the family farm.

There are also many people who are illiterate because they do not have enough motivation to go to school. In many countries, the quality of education is very poor, and many children do not see the value of going to school. This is especially true in the developing world, where the quality of education is often very low, and many children do not see the value of going to school.

There are also many people who are illiterate because they do not have enough access to education. In many countries, there are not enough schools or teachers, and many children do not have access to education. This is especially true in the developing world, where there are often not enough schools or teachers, and many children do not have access to education.

There are also many people who are illiterate because they do not have enough resources to learn. In many countries, there are not enough books or other learning materials, and many children do not have access to these resources. This is especially true in the developing world, where there are often not enough books or other learning materials, and many children do not have access to these resources.

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