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1) Solve for ‘x’: \(6 \times (x - 3) = 36\)

2) Fill in the blanks by using distributive property
   a) \(5 \times (\_ - 7) = -5 \times 4 - 5 \times 7\)
   b) \(6 \times (-3 + 2) = 6 \times \_ + 6 \times 2\)

3) Which of the following given below is equal to: \(-5 \times (7 - 2)\)
   a) \(-2 \times (-5 + 7)\)
   b) \(5 \times (-7 + 2)\)
   c) \(7 \times (-5 - 2)\)

4) Find the perimeter of the rectangular garden if it’s length and width are ‘x’ and ‘x - 3’.

5) Which equation shows the distributive property of multiplication?
   a) \(a \times (b + c) = a \times b + a \times c\)
   b) \(a + (b \times c) = a + b \times a + c\)
   c) \(a - (b \times c) = a - b \times a - c\)
   d) \(a \div (b + c) = a \div b + a \div c\)

6) Multiply 3 with the expression \((-t + 2)\) by using the distributive property of multiplication.

7) Fill in the blank in the multiplication of 3 and \((y - 7)\).
   \(3 \times (y - 7) = 3 \times y - 3 \times \_\)

8) What must be multiplied by \(3x - 2\) so that the product is \(6x^2 - 4x\).
9) Use the distributive property of multiplication to find the value of 
\(-3 \times (-6 + 2)\)

10) Find the value of “y(x - 2) + x(2 - y)” buy using the distributive property.
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- Gary Schwartz

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- Kirk Riley

“I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda.”

- Barbara Cabrera

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<table>
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<tbody>
<tr>
<td>1)</td>
<td>x = 9</td>
</tr>
<tr>
<td>2)</td>
<td>a) -4   b) -3</td>
</tr>
<tr>
<td>3)</td>
<td>b) 5 × (-7 + 2)</td>
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<tr>
<td>4)</td>
<td>4x - 6</td>
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<tr>
<td>5)</td>
<td>a)</td>
</tr>
<tr>
<td>6)</td>
<td>-3t + 6</td>
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<td>7)</td>
<td>7</td>
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<td>8)</td>
<td>2x</td>
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<td>9)</td>
<td>12</td>
</tr>
<tr>
<td>10)</td>
<td>2x – 2y</td>
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1. Changing the order of factors do not change the value of the product.

2. The multiplication of two negative numbers is always positive.

3. Distributive property of multiplication is used to multiply the two polynomials.