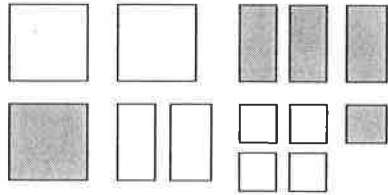
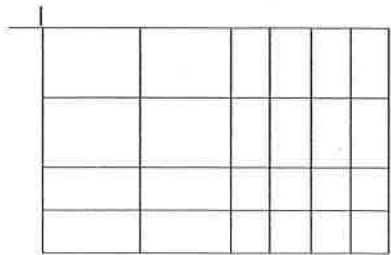


<p>1. Determine if the following is a polynomial.</p> $\sqrt{7}x^4 + 7y - z$ <p>Answer: _____</p>	<p>2. Determine if the following is a polynomial?</p> $7x - \frac{3y}{z} + 6z^3$ <p>Answer: _____</p>
<p>3. Find the following for the below polynomial.</p> $3xy - 6x^2y^4 - 9 + 17x$ <p>Degree _____</p> <p>Constant(s) _____</p> <p>Variable(s) _____</p> <p>Term(s) _____</p>	<p>4. Write a simplified expression for the following algebra tiles.</p>  <p>Answer: _____</p>
<p>5. Add the following polynomials.</p> $(3xy - 6x^4y + 7y) + (5yx - 3y + 5x^4)$ <p>Answer: _____</p>	<p>6. Subtract the following polynomials.</p> $(7ts - 6t^2s + 8) - (2 - 6t^2s + 6ts^2)$ <p>Answer: _____</p>

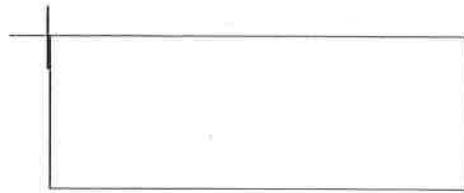
7. Which polynomial is represented by the below diagram?



Answer: _____

8. Use the area model to find the length and width (factors).

$$\text{Area} = x^2 - 5x + 6$$



Length: _____

Width: _____

9. Multiply the following binomials.

$$(2x - 3)(4 + 6x)$$

Answer: _____

10. Divide the following monomials.

$$\frac{4x^2y^5}{2xy^3}$$

Answer: _____

11. Simplify the following expression.

$$2(3x - 5y) - 6(y + 2x)$$

Answer: _____

12. Simplify the following expression.

$$3(5s - t) + (s + 6)$$

Answer: _____