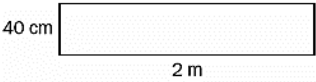
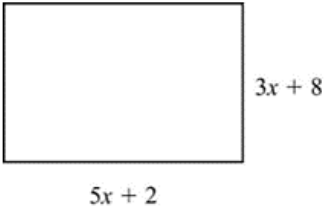
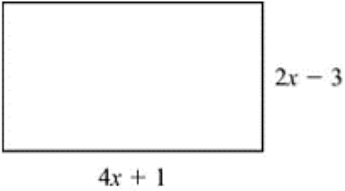


Name: _____

Block: _____

<p>1. Rewrite.</p> $\sqrt{2} \cdot \sqrt{72} \cdot \sqrt{5}$	<p>2. Is the sum of $\sqrt{3}$ and $\frac{1}{3}$ rational or irrational?</p>	<p>3. Is the sum of $0.\overline{0675}$ and 8 rational or irrational?</p>
<p>4. A rectangle has a length of 2 meters and a width of 40 centimeters. What is the perimeter of the rectangle?</p> 	<p>5. Consider the expression $3n^2 + n + 2$.</p> <p>a. What is the coefficient of n?</p> <p>b. What terms are being added in the expression?</p>	<p>6. What is the perimeter of the rectangle?</p> 
<p>7. Rewrite the expression $(x^3 + 2x^2 - x) - (-x^3 + 2x^2 + 6)$.</p>		<p>8. What is the area of the patio,?</p> 

	Answers
<p>1. Look at the radical. $-8\sqrt{726}$</p> <p>What is the rewritten form of the radical?</p> <p>A. $-88\sqrt{6}$ B. -90.75 C. $-986\sqrt{6}$ D. $-2,904$</p>	1. _____
<p>2. Look at the expression. $2\sqrt{8} \cdot \sqrt{20}$</p> <p>Which of these is equivalent to the expression?</p> <p>A. $2\sqrt{28}$ B. 5 C. $8\sqrt{10}$ D. $32\sqrt{10}$</p>	2. _____
<p>3. Which sum is rational?</p> <p>A. $\pi + 18$ B. $\sqrt{25} + 1.75$ C. $\sqrt{3} + 5.5$ D. $\pi + \sqrt{2}$</p>	3. _____
<p>4. Which product is irrational?</p> <p>A. $\sqrt{2} \cdot \sqrt{50}$ B. $\sqrt{64} \cdot \sqrt{4}$ C. $\sqrt{9} \cdot \sqrt{49}$ D. $\sqrt{10} \cdot \sqrt{8}$</p>	4. _____
<p>5. A rectangle has a length of 12 meters and a width of 400 centimeters . What is the perimeter, in cm, of the rectangle?</p> <p>A . 824 cm B . 1,600 cm C . 2,000 cm D . 3,200 cm</p>	5. _____
<p>6. Jill swam 200 meters in 2 minutes 42 seconds . If each lap is 50 meters long, which is MOST LIKELY to be her time, in seconds, per lap?</p> <p>A . 32 seconds B . 40 seconds C . 48 seconds D . 60 second</p>	6. _____

	Answers
<p>7. In which expression is the coefficient of term “n” – 1?</p> <p>A. $3n^2 + 4n - 1$ B. $-n^2 + 5n + 4$ C. $-2n^2 - n + 5$ D. $4n^2 + n - 5$</p>	7. _____
<p>8. The expression s^2 is used to calculate the area of a square, where s is the side length of the square . What does the expression $(8x)^2$ represent?</p> <p>A . the area of a square with a side length of 8 B . the area of a square with a side length of 16 C . the area of a square with a side length of $4x$ D . the area of a square with a side length of 8</p>	8. _____
<p>9. What is the product of $7x - 4$ and $8x + 5$?</p> <p>A . $15x + 1$ B . $30x + 2$ C . $56x^2 + 3x - 20$ D . $56x^2 - 3x + 20$</p>	9. _____
<p>10. What is the perimeter, in units, of the model?</p> <p>A . $32x + 12$ units B . $46x + 25$ units C . $50x + 11$ units D . $64x + 24$ units</p> <div style="text-align: center;"> </div>	10. _____
<p>11. Which expression has the same value as the expression $(8x^2 + 2x - 6) - (5x^2 - 3x + 2)$?</p> <p>A . $3x^2 - x - 4$ B . $3x^2 + 5x - 8$ C . $13x^2 - x - 8$ D . $13x^2 - 5x - 4$</p>	11. _____