Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Hour\_\_\_\_\_\_\_

Unit 0 Review

**1) Standard - I can classify Rational and Irrational numbers.**

|  |  |  |
| --- | --- | --- |
| $$9.\overbar{1}$$ | $$\sqrt{3}$$ | .54321... |
| .59595959... | $$-\frac{1}{6}$$ | -$\sqrt{16}$ |
| $$\sqrt{5}-7$$ | The difference of a rational and irrational number | The quotient of two rational numbers |

**Standard - I can combine like terms.**

**2)** $3-7\left(x+2\right)-x$ **3)** $4+3x-8+2x+12$ **4)** $7+3\left(x-1\right)+4x$

**Standard - I can evaluate algebraic expressions.**

**5)** Evaluate the expression $2x^{2}-3y+7$ when x=-4 and y=3

**Standard - I can simplify using order of operations.**

**6)** $14-\left(2^{2}+3-4\right)+18/9$ **7)** $3+3\left(10÷5-2\right)+3^{2}$

**Standard - I can solve equations.**

|  |  |
| --- | --- |
| 8) Solve for x.$$-4\left(x-2\right)=12$$ | **Final Answer** |
|  9) Solve for x.$$15=-3(x-2)$$ | **Final Answer** |
| 10) Solve for x.$$x-13=3x-5$$ | **Final Answer** |
|  11) Solve for x.$$3x+4\left(x-2\right)=7$$ | **Final Answer** |
| 12) Solve for x.$$x=13=2(x-5)$$ | **Final Answer** |

**Standard - I can write and solve consecutive integer word problems.**

13) Tommy was thinking of 3 consecutive **even** integers, but forgot them all! All he

 remembers is that the sum is 72. Can you tell him his **second term**?

14) Julia was thinking of 3 consecutive integers. The sum of the integers is -72. Find the 3

 integers.

**Standard - I can write and solve perimeter word problems.**

15) The length of a rectangle is 5 inches more than its width. The perimeter is 70

 inches. Find the length and width.

16) The length of a rectangle is 3 inches more than three times its width. The perimeter is 62

 inches. Find the length and width.