Week 10 Warm Up Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Monday:**

|  |  |
| --- | --- |
| **Objective** | **Score** |
| 1 | A B NY |
| 2 |  A B NY |
| 3 | A B NY |
| 4 | A B NY |
| 5 | A B NY |

ANSWERS:

|  |
| --- |
| **1.**  |
| **2.** |
| **3.** |
| **4.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |
| **5.** |
| **6.** |
| **7.** |
| **8.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |
| **9.** |
| **10.** |
| **11.** |
| **12.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |
| **13.** |
| **14.** |
| **15.** |
| **16.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |
| **17.** |
| **18.** |
| **19.** |
| **20.** |
| **4/4 = 100** | **3/4 = 80** | **0-2 = NY** |

1. The line containing the points (-12, -5) & (-2, -5) has what type of slope? **{i.e. positive, negative, undefined, zero**}
2. Simplify: $\sqrt{100a^{4}b^{2}}$
3. Simplify: $(9a^{-4}b^{-2})^{2}\*(8a^{6}b^{-9})^{-2}$
4. Find the perimeter of the rectangle.

$$5x^{2}-x+4$$

$$3x^{2}+2x-8$$

**Tuesday:**

1. Use the Pythagorean Theorem to solve for the missing side.

9

12

1. The perimeter of a rectangle is 132 inches and it has a length that is 6 more than 5 times the width. What is the area of the rectangle?
2. Simplify: $\sqrt{400a^{6}b^{8}}$
3. Simplify: $(\frac{3ab^{2}}{4a^{-2}b^{2}})^{-2}$

**Wednesday:**

1. Simplify: $(\frac{2a^{2}b^{3}}{3a^{3}b^{-2}})^{-2}$
2. Simplify: $4x\left(3x^{2}+2x-4\right)-3(5x^{2}-2x-4)$
3. Find the missing side of the triangle with a perimeter of $8x^{2}+10x+12$ .

$$4x^{2}+2x+6$$

$$3x^{2}+4x$$

1. Find the middle of three consecutive integers such that the product of the larger two is equivalent to the sum of the smallest integer squared and 14.

**Thursday:**

1. Multiply: (3x – 4y)(4x + 3y)
2.  Write the equation of the line that is perpendicular to 4x-2y=12 and has the same y-intercept as Table A.

Table A:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| X | -2 | 3 | 4 | 7 |
| y | -8 | 2 | 4 | 10 |

1. Find the length of the segment graphed at the right
2. The area of a rectangle is $3x+12$. Write possible expressions for the dimensions.

Friday:

1. Simplify: $\sqrt{81x^{6}y^{4}}$
2. Simplify: $(2x^{2}y^{-2})^{-3}$
3. Simplify: $\left(3x^{2}-2x+4\right)+\left(2x^{2}+3x+8\right)$
4. Simplify: $\left(2x^{2}-5x+8\right)-\left(3x^{2}-4x-6\right)$