**FCPS Review GCA 1**

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| **Question Number** | Question |
| 1 | If FN=90, what is the value of r?  **4r+5**  **3r+15** |
| 2 | Point P is in the interior of ∠NOQ. If m∠NOP = 42° and m∠NOQ = 156°, what is m∠POQ? |
| 3 | The angle bisector of ∠ABC is BE. IF m∠ABE = 3x°, what is m∠ABC?   1. x° 2. 3x° 3. 6x° 4. 12x° |
| 4 | What is the distance between points A(3, 7) and B(-3, 5)? Round to the nearest whole number. |
| 5 | What is the value of x? |
| 6 | Name all linear pairs:  Name all vertical angles: |
| 7 | What do we know about parallel lines?  What do we know about perpendicular lines? |
| 8 | Which pairs of angles are:  **Vertical Angles:**  **Linear pair:**  **Corresponding:** |
| 9 | Use the parallel lines shown for question 9 and 10.  mage result for parallel lines cut by a transversal problems  y°  What is the m∠x? |
| 10 | What is the m∠y? |
| 11 | mage result for parallel lines cut by two parallel transversals  If m∠1 ≅ m∠5, which conclusion can be made? |
| 12 | mage result for parallel lines cut by two parallel transversals  If m∠1 ≅ m∠9, which conclusion can be made? |
| 13 | mage result for parallel lines cut by two parallel transversals  If a is parallel to b m∠1 = 52°, what is the m∠5? |
| 14 | What is the value of x? |
| 15 | What is the value of y? |
| 16 | Use the triangle shown.    What is the value of x? |
| 17 | Use the triangle shown.    What is the value of x? |
| 18 | If a is parallel to b and the slope of line a is 6, what is the slope of line b? |
| 19 | What is the equations of a line that is perpendicular to the line y = and passes through the point (-2, 1)? |
| 20 | Which equation represents a line that is parallel to the line with the equation y = 5x + 9? Select all that apply   1. y = -5x +2 2. y = 5x -1 3. -5x + y = 4 4. 5x + y = 6 5. -5x – y = 2 |