**FCPS Review GCA 1**

|  |  |
| --- | --- |
| **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 problemsy°What is the m∠x? |
| 10 | What is the m∠y? |
| 11 | mage result for parallel lines cut by two parallel transversalsIf m∠1 ≅ m∠5, which conclusion can be made? |
| 12 | mage result for parallel lines cut by two parallel transversalsIf m∠1 ≅ m∠9, which conclusion can be made? |
| 13 | mage result for parallel lines cut by two parallel transversalsIf 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 = $-\frac{3}{5} x+2$ 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
 |