|  |
| --- |
| **ZEALOUS INTERNATIONAL SCHOOL Jinnah campus**  **2nd CHECK POINT 2024-25**  **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Grade: VIII Subject: Maths /25** |

**Q1 (a): Multiple Choice Questions. /5**

1. 250x = 250

a. 5 b. 1 c. -5 d. 25

1. If 4x ≥ 32 then x = \_\_\_\_\_
2. 8 b. 1 c. both d. 4
3. X axis is a line.

a. Horizontal b. Vertical c. both d. constant

1. X2-5x-6=0 is a \_\_\_\_\_\_\_ equation.

a. Quadratic equation b. 0 c. both a and b d. constant

1. Multiply and divide both sides by a \_\_\_\_\_\_ number without having to reverse the inequality signs.

b. squared b. positive c. both a and b d. negative

**Q1 (b): Fill in the blanks. /5**

* 1. 6 + 2 \_\_\_\_\_ 12 +16 (< or >) which is the correct inequality for this blank?
  2. -2 \_\_\_\_\_ +2 (< or >) which is the correct inequality for this blank?
  3. All Quadratic equations produce \_\_\_\_\_\_ shaped graphs.
  4. (-6) 3 \_\_\_\_\_\_\_
  5. Reverse the inequality sign if we multiply or divide both sides by a \_\_\_\_\_\_ number.

**Q2: The variable x and y are connected by the equation y = 2x2 -5x +1 /6**

* + 1. **Complete the table y = 2x2 -5x +1**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **x** | **-1** | **0** | **1** | **2** | **3** | **4** |
| **y** |  |  |  |  |  |  |

**Q3: If g (x) = x2 + 5, find the value each of the following. /6**

1. **g(a) (ii) g(a+1) (iii) g(a+1) – g(a-1)**

**Q4: If F(x) = 1/2 x(x+1), evaluate the following. /3**

1. **F(1) (ii) F(2)**