Name: _____ Grade: _____ Date: _____

Parallel and Perpendicular Lines

Q 1 : Find the slope of the line passing through the pairs of points and describe the line as rising, falling, horizontal or vertical.

a. (2 , 1) , (4 , 5)

b. (-1 , 0) , (3 , -5)

c. (2 , 1) , (-3 , 1)

d. (-1 , 2) , (-1 ,- 5)

Q2: Determine whether the graphs of each pair of equations are ***parallel***, ***perpendicular*** or ***neither***.

1. $y = 3x + 4$

    $y = 3x + 7$

2. $y = -4x + 1$

    $4y = x + 3$

3. $y = 2x - 5$

    $y = 5x - 5$

4. $y = -1/3x + 2$

    $y = 3x - 5$

5. $y = 3/5x - 3$

    $5y = 3x - 10$

6. $y = 4$

    $4y = 6$

7. $y = 7x + 2$

    $x + 7y = 8$

8. $y = 5/6x - 6$

    $x + 5y = 4$

Note: This worksheet is supported by a flash presentation, under Mausmi's Math Movies.

Mausmi Jadhav