

Name : \_\_\_\_\_

## Parallel and Perpendicular Lines

Sheet 5

- 1) The lines  $j$  and  $k$  are parallel whose equations are  $y = rx + 2$  and  $3 = 9x - 5y - 7$  respectively. Find the value of  $r$ .

$r =$  \_\_\_\_\_

- 2) If the lines are  $y = mx + 11$  and  $y = -\frac{1}{8}x + 6$  are perpendicular, find the value of  $m$ .

$m =$  \_\_\_\_\_

- 3) Equation of a line  $p$  are parallel. Find th

$f =$  \_\_\_\_\_

- 4) The lines  $5y + 10x -$

$k =$  \_\_\_\_\_

- 5) If the lines  $9y = -6x + 5$  and  $y = -nx + 1$  are parallel, find the value of  $n$ .

$n =$  \_\_\_\_\_

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– 12. The lines  $p$  and  $q$

value of  $k$ .