

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

## Parallel and Perpendicular Lines

Sheet 2

- 1) If the lines  $y = -2x - 4$  and  $y = tx + 9$  are perpendicular, find the value of  $t$ .

$t =$  \_\_\_\_\_

- 2) The lines  $p$  and  $q$  are parallel whose equations are  $y = mx + 5$  and  $0 = -x - y + 6$  respectively. Find the value of  $m$ .

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

- 3) Equation of a line and  $h$  are perpendicular.

$u =$  \_\_\_\_\_

- 4) The line  $5y + 3x =$

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

- 5) The lines  $6y = gx + 6$  and  $y = -3x + 8$  are perpendicular. Find the value of  $g$ .

$g =$  \_\_\_\_\_

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$+ 14 = 0$ . The lines  $g$

value of  $k$ .