Math 10C Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Slopes of Graphs Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



1. Determine the slope between the following points
2. A(-3, 6) and B (9, 16) b. C(5, 3) and D(-6, 3)

c. E(8, 10) and F (8, 5) d. G(-3, -1) and H (3, -10)

1. Given that lines segment XY has a slope of , what is the slope of a line that is
   1. Parallel = \_\_\_\_\_\_\_\_\_\_\_
   2. Perpendicular = \_\_\_\_\_\_\_\_\_
2. For the following sets of points determine if they are parallel, perpendicular, or neither.
   1. Line ST through S(-2, 7) and T(2, -5). Line UV through U(-2, 3) and V (7, 6)
   2. Line AB through A(1, 6) and B (5, 4). Line CD through C(-2, 1) and D (4, -2)