

## CALCULUS I – Worksheet #1

1–8 Find slope of line between points and slope of line perpendicular to this same line:

1.  $(1,-2), (2,1)$     2.  $(-2,-1), (1,-2)$     3.  $(1,0), (0,1)$     4.  $(-1,0), (1,0)$
5.  $(2,3), (-1,3)$     6.  $(1,2), (1,-3)$     7.  $(0,0), (-2,-4)$     8.  $(\frac{1}{2}, 0), (0, -\frac{1}{3})$

9. Determine whether points A, B, C, and D form a parallelogram or not.

**Show work using slopes to justify answer. Graphing alone will not suffice.**

A $(-1,-2)$ , B $(1,3)$ , C $(2,0)$ , D $(-1,-1)$