

NAME: \_\_\_\_\_ Score \_\_\_\_\_/10

1. What is the slope of the line segment joining the points  $(2, -3)$  and  $(-5, 4)$ ?
2. What is the length of the line segment joining the points  $(2, -3)$  and  $(-5, 4)$ ?
3. What is the midpoint of the line segment joining the points  $(2, -3)$  and  $(-5, 4)$ ?
4. What is the slope of the perpendicular bisector of the line segment joining the points  $(2, -3)$  and  $(-5, 4)$ ?
5. What is the slope of the line through  $(1,1)$  and parallel to line segment joining the points  $(2, -3)$  and  $(-5, 4)$ ?