Each group member must complete one of the problems on this sheet.
All group members must agree with all answers on this sheet.

1) Completed by:
   Find the exact length of AB in simplest form for A (1, 2) and B (4, 6)

2) Completed by:
   Find the exact length of CD in simplest form for C (-1, -6) and D (4, 6)

3) Completed by:
   Find the exact length of EF in simplest form for E (-5, 2) and F (1, -6)

4) Completed by:
   Find the exact length of GH in simplest form for G (3, -8) and H (-2, 4)

Sum of answers: Total

Each group member must complete one of the problems on this sheet.
All group members must agree with all answers on this sheet.

1) Completed by:
   Find the exact length of AB in simplest form for A (1, 2) and B (3, 4)

2) Completed by:
   Find the exact length of CD in simplest form for C (6, 2) and D (1, -3)

3) Completed by:
   Find the exact length of EF in simplest form for E (0, 2) and F (3, -1)

4) Completed by:
   Find the exact length of GH in simplest form for G (-3, 3) and H (3, -3)

Sum of answers: Total

Each group member must complete one of the problems on this sheet.
All group members must agree with all answers on this sheet.

1) Completed by:
   The coordinates of A are (0, 4) and the x-coordinate of B is 5. If AB = 13 and the y-coordinate of B is negative, what is the y-coordinate of B?

2) Completed by:
   The coordinates of M are (2, -1) and the y-coordinate of N is 5. If $MN = 3\sqrt{5}$ and the x-coordinate of N is positive, what is the x-coordinate of N?

3) Completed by:
   The coordinates of T are (5, -2) and the x-coordinate of H is 8. If TH = 5 and the y-coordinate of H is positive, what is the y-coordinate of H?

4) Completed by:
   The coordinates of J are (3, -2) and the y-coordinate of S is 4. If JS = 5 $JS = 2\sqrt{10}$ and the y-coordinate of S is positive, what is the y-coordinate of S?

   Sum of answers: Total

Each group member must complete one of the problems on this sheet.
All group members must agree with all answers on this sheet.

1) Completed by:
   The vertices of a quadrilateral are A(0, -2), B (5, -2), C (8, 2), and D (3, 2). If ABCD is a rhombus, what is the length of a side? If ABCD is not a rhombus what is the average side length?

2) Completed by:
   The vertices of an isosceles triangle are P (1, -1), Q (7, 1), and R (3, 3). What is the length of the congruent sides?

3) Completed by:
   The vertices of a right triangle are L (1, -1), M (7, -3), and N (2, 2). What is the length of the hypotenuse?

4) Completed by:
   The vertices of a triangle are A (1, -1), B(4, 1), and C (-5, 7). What is A'C' under the transformation D_2?

Sum of answers: Total