Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Math 1 Quiz

Distance, Midpoint and Pythagorean Theorem

Using the distance formula find the length between the 2 given points. Simplify the radical if possible.

\_\_\_\_\_\_\_\_1) (4,3) and (-3,4) \_\_\_\_\_\_\_\_\_\_2) (1,-9) and (6,-6)

 Using Pythagorean Theorem find the missing side. Simplify each radical if possible.

\_\_\_\_\_\_\_\_\_3) a=4 b=8 c=? \_\_\_\_\_\_\_\_\_4) a=2 b=? c=8

\_\_\_\_\_\_\_\_\_5) \_\_\_\_\_\_\_\_\_6)

Find the **midpoint** of the line segment with the given endpoints.

\_\_\_\_\_\_\_\_\_7) (-4,4) & (-2,2) \_\_\_\_\_\_\_\_\_8) (-1,1) & (5,-5)

Find the **other endpoint** of the line segment with the given endpoint and midpoint.

\_\_\_\_\_\_\_\_\_9) endpoint (2,-5), midpoint (5, -6)

\_\_\_\_\_\_\_\_\_10) endpoint (-4,-1), midpoint (-7,0)

Bonus: Given y=2x+1 AND y=-x+4, find the point of intersection. Ans;\_\_\_\_\_\_\_\_\_\_