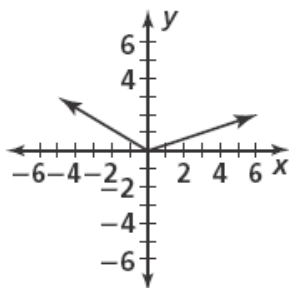


Name: _____

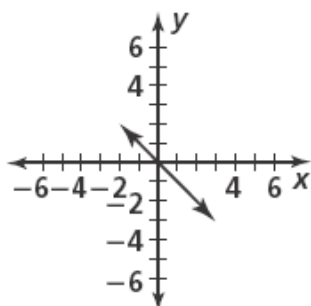
Vectors in the Plane

1) Write the resultant as an ordered pair, and draw the resultant.

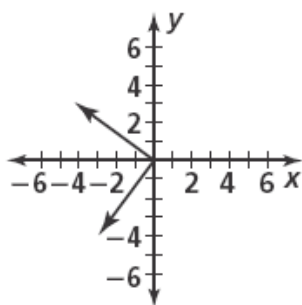
1)



2)



3)



2) Find \overline{AB} and $|\overline{AB}|$

1) A(1, 1), B(5, 4)

2) A(6, 1), B(4, 3)

3) A(3, 5), B(-1, 7)

4) A(0, 0), B(5, -9)

5) A(-1, -1), B(-4, -7)

3) Find the vector sum.

1) $(3, -5) + (4, 5)$

2) $(-3, -3) + (7, 7)$

3) $(7, 2) + 3(-1, 0)$

4) Forces with magnitudes of 125 newtons and 300 newtons act on a hook. The angle between the two forces is 45° . Find the direction and magnitude of the resultant of these forces.

