Angles

1. Calculate the gradient of each line below.



2. Calculate the size of angle a^0 in each of the following.



у 3. Find the size of angle a^0 that the line joining the points A(0,-2) and B($4\sqrt{3}$,2) makes with the positive direction of the x-axis. у 4. A is the point (-2, $5\sqrt{3}$) and B is (1, $2\sqrt{3}$). Calculate the size of angle a^0 . х 5. Find the equation of the line PQ where P is the point (-3,0) and angle QPO is 60⁰. P(-3,0) 600 х Ο y A(-2,5) 6. Find the equation of the line AB where A is the point (-2,5) and angle OBA is 45⁰. х 45 Ο

