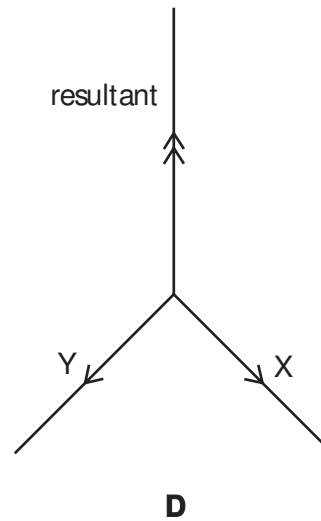
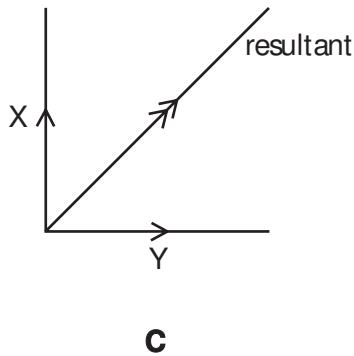
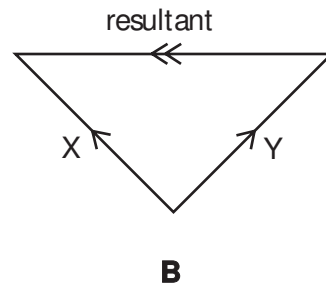
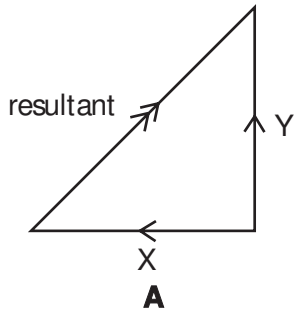
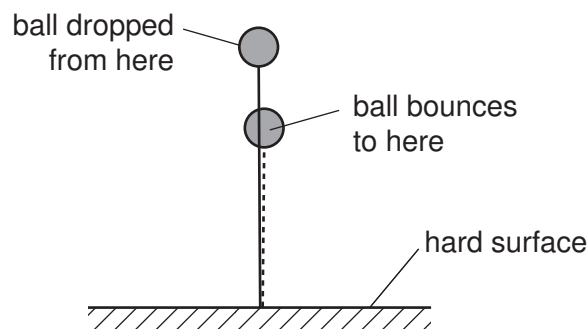


11 Which diagram shows two forces X and Y with their resultant force?



12 A ball is dropped on to a hard surface and bounces. It does not bounce all the way back to where it started, and so has not regained all of its original gravitational potential energy.



Which statement accounts for the loss of gravitational potential energy?

- A** Energy was destroyed as the ball hit the ground.
- B** Energy was destroyed as the ball travelled through the air.
- C** The chemical energy and elastic energy of the ball have increased.
- D** The internal (heat) energy of the ball and its surroundings has increased.