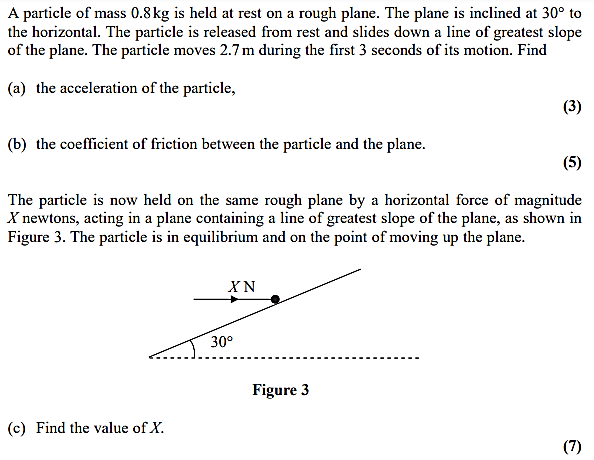
**Dynamics and Inclined Planes**

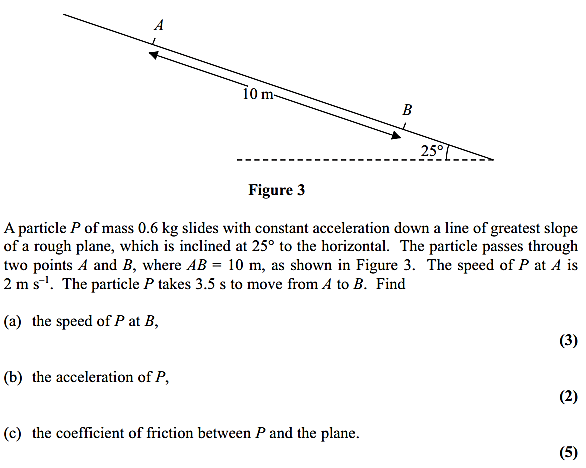
If a particle is in motion, , and opposes the direction of motion.

* Draw a force diagram
* Use Newton's 2nd law to resolve parallel and perpendicular to the plane
* Use SUVAT to solve problems if (and therefore ) are constant

**Example** *(EdExcel M1 Jan 2010 Q5)*



**Test Your Understanding** *(EdExcel M1 May 2013(R) Q5)*



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