Unit 2 – Module 1

Manipulating trig identities activity

RATIONALE

Once students understand the concept of vectors they need to learn the mathematical operations that connect vector components with the resultant vector. For PSP students this is the place to teach the basics of the trigonometric identities sine, cosine, and tangent which are essential for using vectors in calculations.

PRIOR KNOWLEDGE AND SKILLS

* Knowledge of the Pythagorean theorem

CE’s AND PE’s

*8. Determine resultant magnitude of perpendicular vectors using Pythagorean theorem*