

Al Moattasem International School

Jubail

Level 9 - Revision Work Sheet - 3 Answer Key

Chapter 8

Topic – Vector Geometry

Solutions for Vector Geometry

1) a) $\vec{PQ} = \mathbf{b}$

b) $\vec{RP} = -\mathbf{a}$

c) $\vec{QR} = -\mathbf{b} + \mathbf{a}$

d) $\vec{RQ} = \mathbf{b} - \mathbf{a}$

3) a) $\vec{AD} = \mathbf{c}$

b) $\vec{AC} = \mathbf{y} + \mathbf{c}$

c) $\vec{CD} = -\mathbf{y}$

d) $\vec{BD} = \mathbf{c} - \mathbf{y}$

5) a) $\vec{AB} = \mathbf{z} - \mathbf{p}$

b) $\vec{DB} = \mathbf{p} + \mathbf{z}$

c) $\vec{OC} = \mathbf{z} - \mathbf{p}$

d) $\vec{FD} = \mathbf{z} - 2\mathbf{p}$

2) a) $\vec{AB} = \mathbf{x}$

b) $\vec{BC} = -\mathbf{p}$

c) $\vec{OB} = \mathbf{p} + \mathbf{x}$

d) $\vec{AC} = \mathbf{x} - \mathbf{p}$

4) a) $\vec{AC} = \mathbf{c} + \mathbf{t}$

b) $\vec{DB} = \mathbf{c} - 2\mathbf{t}$

c) $\vec{CD} = \mathbf{t} - \mathbf{c}$

d) $\vec{DC} = \mathbf{c} - \mathbf{t}$