**11F Context Problems notes**

1. A girl walks 2km due east from a fixed point O to A, and then 3km due south from A to B. Find:
2. The total distance travelled
3. The position vector of B relative to O
4. $\vec{|OB|}$
5. The bearing of B from O
6. In an orienteering exercise, a cadet leaves the starting point O and walks 15km on a bearing of 120 to reach A, the first checkpoint. From A he walks 9km on a bearing of 240 to the second checkpoint, at B. From B, he returns directly to O. Find:
7. The position vector of A relative to O
8. $\vec{\left|OB\right|}$
9. The bearing of B from O
10. The position vector of B relative to O