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|---|--------------|---|--|
| <p><i>Start:</i></p> <p>$A = (4, -3)$</p> <p>$B = (5, -1)$</p> <p>$C = (-1, -2)$</p> | $\vec{AB} =$ | | <p>magnitude of $\vec{AB} =$</p> |
| | $\vec{BC} =$ | | <p>magnitude of $\vec{AC} =$</p> |
| | $\vec{AC} =$ | | <p>magnitude of $\vec{BC} =$</p> |
| | $\vec{CA} =$ | | <p>A vector perpendicular to $\vec{AB} =$</p> |
| | $\vec{CB} =$ | <p>More resources from www.mathssite.com</p> | <p>A vector perpendicular to $\vec{BC} =$</p> |

*the cosine of the acute angle between
AB and BC =*

*The position vector of the point which
divides the line BC in the ratio 1:2 =*

*the cosine of the acute angle between
AC and BC =*

*The position vector of the point which
divides the line AB in the ratio 2:1 =*

*the cosine of the acute angle between
AB and AC =*

*The position vector of the point which
divides the line BC in the ratio 2:3 =*

*The position vector of the
mid – point of the line AB =*

*The position vector of the point which
divides the line AC in the ratio 1:2 =*

*The position vector of the
mid – point of the line AC =*

*The position vector of the point which
divides the line CA in the ratio 1:3 =*