**X-Men Angles - Answers**

Charles Xavier has asked Wolverine to run an "Angles" class at the "School for Gifted Children". The trouble is that Wolverine's angle knowledge is a bit rusty.

Can you help Wolverine with the following questions he's set and explain the reasons behind the answers?

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|  | **Question** | **Answer and Reason** |
| 1 |  | a = 64˚ because angles on a straight line add to 180˚. |
| 2 |  | b = 78˚ because angles around a point add to 360˚. |
| 3 |  | c = 54˚ because angles in a triangle add to 180˚. |
| 4 |  | d = 104˚ because angles in a quadrilateral add to 360˚. |
| 5 |  | e = 99˚ because angles in a triangle add to 180˚ and angles on a straight line add to 180˚. |
| 6 |  | f = 58˚ because two angles of an isosceles triangle are equal and a triangle adds to 180˚. |
| 7 |  | g = 117˚ because alternate angles are equal. |
| 8 |  | h = 53˚ because corresponding angles are equal. |
| 9 |  | j = 43˚ because corresponding angles are equal and angles on a straight line add to 180˚. |
| 10 |  | k = 134˚ because vertically opposite angles are equal.l = 46˚ because angles on a straight line add to 180˚. |

