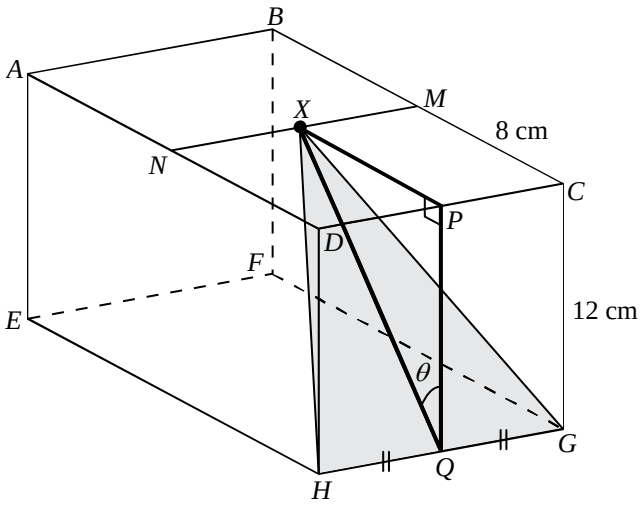
CHAPTER 11: LINES AND PLANES IN 3-DIMENSIONS

Paper 2

Solution to Question 18



The two planes, *HXG* and *DCGH*, intersect at *HG*. Triangle *HXG* is isosceles.
Therefore, $\angle XQH = 90°$ and $\angle PQH = 90°$.

Thus, angle between planes *HXG* and *DCGH* = θ

$$\tan\theta = \frac{8}{12}$$

$$\theta = 33°\ 41'$$