The skills in this series of worksheets appear frequently.

These are the GIFTS you must take to succeed

Angle between a Line and the x-axis

Calculate the size of the angle of the line connecting each pair of points and the positive direction of the x-axis:

    1. $A(3,2) \& B(7,6)$

    2. $C(5,0) \& D(3,-4)$

    3. $E(-1,3) \& F(3,5)$

    4. $G(-2,6) \& H(4,0)$

    5. $I(7,2) \& J(2,4)$

Calculate the gradient of the line given the angle it makes with the positive direction of the x-axis:

    6. $50°$

    7. $37 \cdot 5°$

    8. $13°$

    9. $123 \cdot 1°$

    10. $116 \cdot 6°$

APPLYING QUESTION

The diagram shows the lines $y = 3x$ and $y = 7 - x$.

Calculate the size of angle $x°$