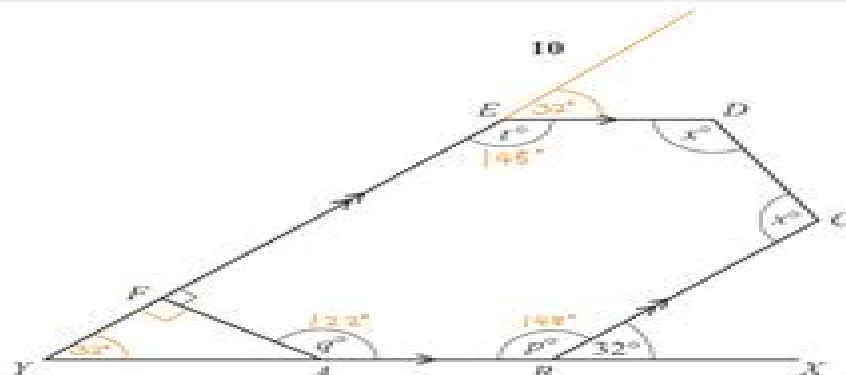


7 (a)



$ABCDEF$ is a hexagon.
 AB is parallel to ED and BC is parallel to FE .
 YFE and $YABX$ are straight lines.
Angle $CBX = 32^\circ$ and angle $EFA = 90^\circ$.

Calculate the value of

(i) p .

$$180^\circ - 32^\circ = 148^\circ$$

Answer(a)(i) $p = 148$ [1]

(ii) q .

$$32^\circ + 90^\circ = 122^\circ$$

Answer(a)(ii) $q = 122$ [2]

(iii) t .

$$180^\circ - 32^\circ = 148^\circ$$

Answer(a)(iii) $t = 148$ [1]

(iv) x .

Sum of angles in hexagon 720° .

$$2x^\circ = 720^\circ - 90^\circ - 122^\circ - 2(148^\circ) = 212^\circ, \quad x^\circ = 106^\circ$$

Answer(a)(iv) $x = 106$ [3]

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