St. Andrews Scots Sr. Sec. School

9th Avenue, I.P. Extension, Patparganj, Delhi – 110092

Session: 2024-2025 - Worksheet

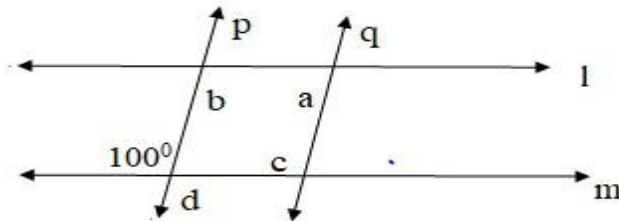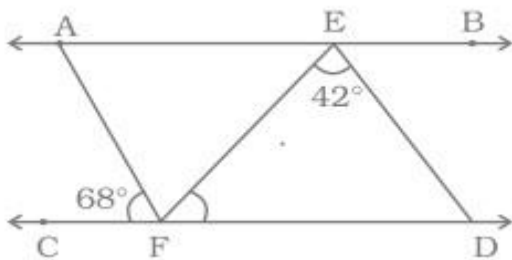| Class: VII | Subject: Mathematics | Topic: Pairs Of Angles | Worksheet No: 12 |

Q1: Two parallel lines p and q are intersected by a transversal t. If the interior angles on same side of transversal are (2x−8) and (3x−7). Find the measure of these angles.
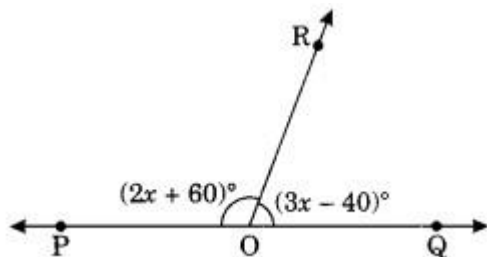
Q2: In the given fig. l is parallel to m and p ll q. Find the measure of each of the angles a, b ,c, d.

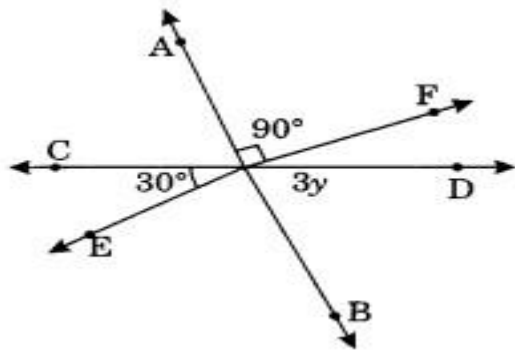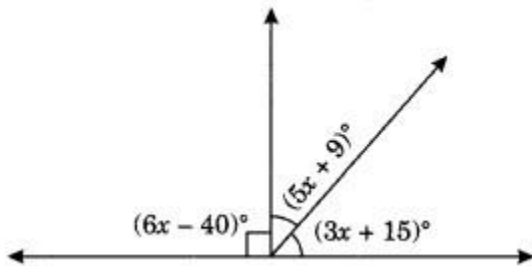**Q3:** In given figure, AB||CD, AF||ED, ∠AFC=68° and ∠FED=42°. Find ∠EFD.

Q4: Find the value of x in the given figure.
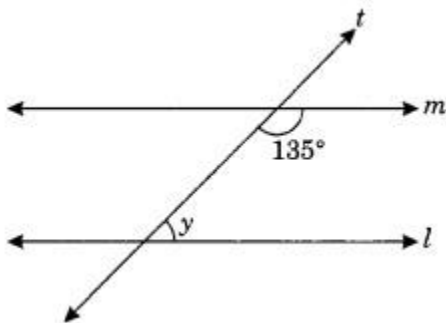
Q5: In the given figure, find the value of y.
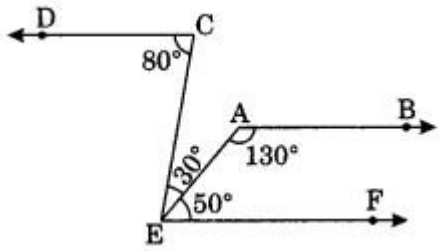

Q6: Find the value of x.

Q7: If the angles $(4x + 4)°$ and $(6x - 4)°$ are the supplementary angles, find the value of x.

Q8: Find the value of y.

Q9: In the given figure, prove that AB || CD.

Q10: In the following figures, find the lettered angles.

(i)