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Concept_Grade-9_Lines and Angles

Linear Pair and Vertically Opposite Angles

1. Two supplementary angles are in ratio 2: 7. Find the measures of angles.

2. What is the measure of an angle which is complement of itself?

3. Write the complementary angle of 65°.

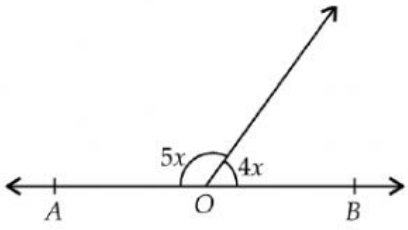
4. Two angles measure (30° - a) and (125° + 2a). If each one is the supplement of the other, then find the value of a.

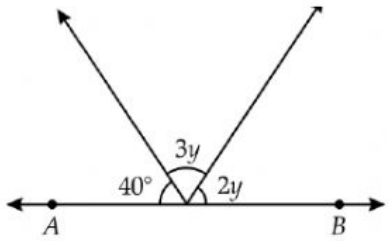
5. Write the complement of (90°-a).

6. Write the angle which is one-fifth of its complement.

7. Two angles measure (55° + 3a) and (115° - 2a). If each is supplement of the other, then calculate the value of a.

8. Calculate the value of y in the figure given below.





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9. In the figure below, AOB is a straight line. Calculate the measure of ∠COD