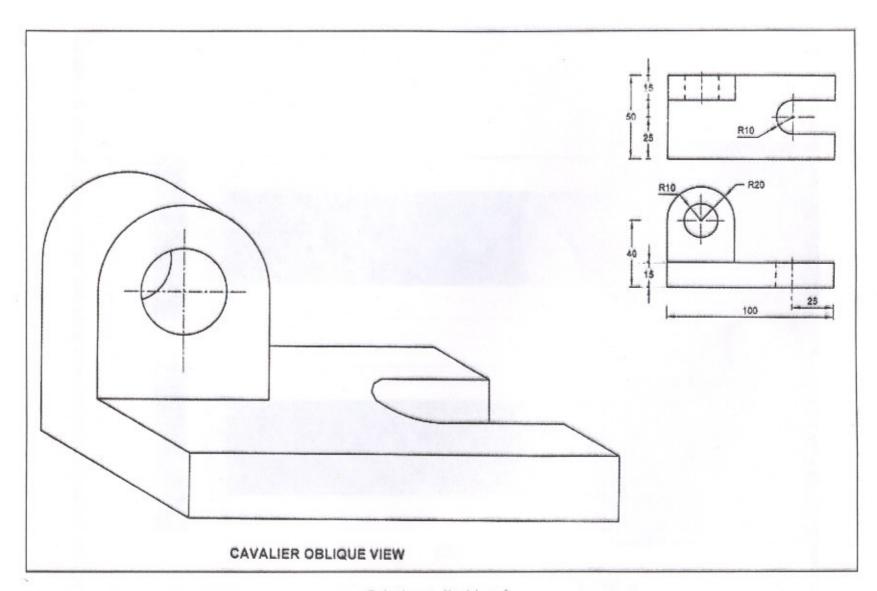


Solution to Problem 1



Solution to Problem 2