

# Digital Logic Exercises

Draw the truth table and a circuit diagram for the following Boolean algebra expressions:

$$A = X./Y + X.Y \quad (X \text{ and not } Y \quad \text{or} \quad X \text{ and } Y)$$

$$A = X./Y.Z + /Y./Z$$

$$A = X.Y.Z + /X./Y./Z$$

$$X = A.B.C + A./B./C + /A./B./C$$