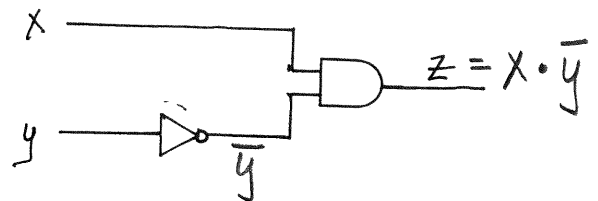


Quiz 1

x	y	z
0	0	0
0	1	1
1	0	1
1	1	1

Truth Table
(Question 3)



Logic Network
(Question 4)

90 Correct
100%

Quiz 1 (1/30/2020)

- Are you here today? ☒ A) Yes ☐ B) No
- Which is **not** a basic combinational logic function?
 A) OR ☒ B) MAYBE ☐ C) NOT ☐ D) AND
 E) All of A-D are basic functions.
- Which logic expression matches the Truth Table shown?
 A) $z = x \cdot y$ ☒ B) $z = x + y$ ☐ C) $z = x \cdot \bar{y}$ ☐ D) $z = \bar{x} + y$ ☐ E) None of A-D
- Which logic expression matches the Logic Network shown?
 A) $z = x \cdot y$ ☐ B) $z = x + y$ ☒ C) $z = x \cdot \bar{y}$ ☐ D) $z = \bar{x} + y$ ☐ E) None of A-D

3. z is true ($z=1$) if x is true or if y is true: $z = x + y$.

4. See marked-up logic network above.

Inputs to AND gate are x and $\bar{y}$, output is z:

$$z = x \cdot \bar{y}$$