

Discrete Math Feb 3 (implication, quantification)

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#1

Give truth values of P,Q,R such that  $(P \vee Q) \Rightarrow R$  is false. More than one answer is possible.

ANSWER CHOICE

**A** P true, Q true, R false

**B** P true, Q false, R true

**C** P false, Q false, R false

**D** P false, Q true, R false

**E** P true, Q true, R true

#2

True or false?  $\forall k \in \mathbb{Z}, \exists m \in \mathbb{Z}$  s.t.  $3k = 2m + 1$

Correct Answer:

True

False