

MAT 364 Quiz 2 Answer Sheet

Fall 2020

Quiz ID: MVX

Name: _____

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9.
10.

Submit electronic answers at

<http://azrael.digipen.edu/cgi-bin/MAT364quiz.pl>

6. The game of domineering is played on the board below. What is the outcome class of this game?

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|--|---|--|
| | | |
| | X | |
| | | |

- a) \mathcal{R} b) \mathcal{L} c) none d) \mathcal{N} e) \mathcal{P}

7. Same game as in the previous question. What is the height of the game tree?

- a) 4 b) 5 c) 3 d) 6 e) 7

8. Same game as in the previous question. If the game is played by two players, what is the *minimum* number of moves that the game will last?

- a) 6 b) 5 c) 3 d) 7 e) 4

9. Same game as in the previous question. If Left is going to play first, how many winning moves does Left have?

- a) 1 b) 0 c) 4 d) 3 e) 2

10. Same game as in the previous question. If Right plays first, how many winning moves does Left have (after Right's first move)?

- a) 1 b) 0 c) 4 d) 3 e) 2