

QUIZ FIVE, MTH 205, FALL 007

AYMAN BADAWI

Name _____, Id. Num. _____, Score $\overline{15}$

QUESTION 1. Let $y' = y^2 - 2y - 8$.

Find all *CRITICAL POINTS* of the above D.E. Label each as (Stable, Semi-stable, or Unstable)

Sketch the graph of the solution to the D.E. that passes through $(-6, -2)$.

Sketch the graph of the solution to the D.E. that passes through $(0, 7)$

Sketch the graph of the solution to the D.E. that passes through $(-6, -8)$.

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