- ^{1.} Suppose the graph G=(V,E) is a 4regular graph and |V|=10. Which of the following is |E|? (3 points) A. 10 √ B. 20
 - C. 30
 - D.40

2. Suppose three **pendant** vertices are added to the 6-vertex graph below. What is the **maximum number** of vertices of **odd degree** that the resulting graph could have?



(3 points) A. 3 B. 4 C. 5 ✓ D. 6 3. Consider the Paley graph G=(V,E) of order 13 below:



Given that |V|=13, which of the following is the correct value for |E|? (3 points) A. 26 B. 36 ✓ C. 39 D. 48