

## **Figure 1.2: High-Leverage Mathematics Instructional Practices Linked to CCSS Mathematical Practices**

- An instructional emphasis that approaches mathematics learning as problem solving (Mathematical Practice 1)
- An instructional emphasis on cognitively demanding conceptual tasks that encourage all students to remain engaged in the task without watering down the expectation level (maintaining cognitive demand) (Mathematical Practice 1)
- Instruction that places the highest value on student understanding (Mathematical Practices 1 and 2)
- Instruction that emphasizes the discussion of alternative strategies (Mathematical Practice 3)
- Instruction that includes extensive mathematics discussion (math talk) generated through effective teacher questioning (Mathematical Practices 2, 3, 6, 7, and 8)
- Teacher and student explanations to support strategies and conjectures (Mathematical Practices 2 and 3)
- The use of multiple representations (Mathematical Practices 4 and 5)