**Name Job 2 Solving Equations**

[](https://www.google.com/url?sa=i&rct=j&q=&esrc=s&source=images&cd=&cad=rja&uact=8&ved=0ahUKEwj-nrD-mo_WAhVHPRQKHYFOAUMQjRwIBw&url=https://www.pinterest.com/explore/inspirational-quotes-for-students/&psig=AFQjCNFwZZZ8W6exq-R8QY5ZW-SWLXhR3g&ust=1504740937872413)

**Part 1: Textbook - Required:**

Textbook Lesson 1-2: 10, 12, 16, 18, 20, 22, 24, 26, 28, 32, 36, 41

**Part 2: Algebra Regents Questions – Required:**

1. The expression is equivalent to
2. Determine if the product of and is rational or irrational. Explain your answer.
3. A part of Jennifer’s work to solve the equation is shown below.

Given:

Step 1:

Which property justifies her first step?

1. Identify property of multiplication
2. Multiplication property of equality
3. Commutative property of multiplication
4. Distributive property of multiplication over subtraction
5. Solve the equation below for



**Part 3 Advanced – Optional: Bonus 8, 30, 31**