Algebra I 3-4

```
Solving Equations
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```
Solve - Get the variable on a side by itself.
1) 5n = 2n + 6

5n - 2n = 2n - 6

3n = 6

3n = 6

3n = 2
                                          13) 4n + 5 = 6n + 7
                                        4n -4n+5 + 6n-4n+7
                                                5 = 2~+7
                    19) 2(x-6) = 3x
                                            5-7=20+7-7
                       2x-12+3x
                                              -2 - 22
      કૃટેર્<mark>ડ</mark>
                     2x-2x-12+3x-2x
                                               -1 = n
                           -12 t lx
                                                  {2-1}
                                8-128
```

```
*) (8x+3)-7 \neq 4(2x+1)
   8x+3 -7 =8x+4
       8x-4 + 8x+4
    8x-8x-4 = 8x-8x+4
           -4 = 4 = False
            what the?
         No variable left!
If the variables concel,
         look to see if the numbers
         are true or false.
               Ø - No Solution
```

```
*) 3(2x-5) = 6(x-2)-3
           6x-15 = 6x -12-3
           6x - 15 = 6x - 15
         6x-6x-15 = 6x-6x-15
               -15 +-15
               No Variable.
R
                 Truel
                   R - All roal numbers.
                         Book calls this
                                   identity
```

Assignment: The Classic, 3-5 pg. 157 1-30 all