x2 = 144

**x = 12**

x2 = 225

**x = 15**

x2 + 7 = 11

  **-7 -7**

 **x2 = 4**

 **x = 2**

x2 – 16 = 100

 **+16 +16**

 **x2 = 116**

 **x = 10.8**

3x2 = 48
 **3 3**

 **x2 = 16**

 **x = 4**

4x2 = 400
 **4 4**

 **x2 = 100**

 **x = 10**

5x2 + 5 = 130

 **-5 -5**

 **5x2 = 125
 5 5**

 **x2 = 25**

 **x = 5**

3x2 – 1 = 26

 **+1 +1**

 **3x2 = 27
 3 3**

 **x2 = 9**

 **x = 3**

x3 = 8

 **x = 2**

x3 = -1000

 **x = -10**

2x3 = 128
 **2 2**

 **x3 = 64**

 **x = 4**

3x3 = -81
 **3 3**

 **x3 = -27**

 **x = -3**

x3 – 10 = 115

 **+10 +10**

 **x3 = 125**

 **x = 5**

x3 + 2 = 10

 **-2 -2**

 **x3 = 8**

 **x = 2**

5x3 + 7 = 327

 **-7 -7**

 **5x3 = 320
 5 5**

 **x3 = 64**

 **x = 4**

10x3 – 2 = 8

 **+2 +2**

 **10x3 = 10
 10 10**

 **x3 = 1**

 **x = 1**

x2 + 6x = 6(x + 6)

**x2 + 6x = 6x + 36**

 **-6x -6x**

 **x2 = 36**

 **x = 6**

(5x)(10x) = 200

 **50x2 = 200
 50 50**

 **x2 = 4**

 **x = 2**

x2 + 9x = ½ (18x + 128)

**x2 + 9x = 9x + 64**

 **-9x -9x**

 **x2 = 64**

 **x = 8**

x(x – 3) – 51 = -3x + 13

**x2 – 3x – 51 = -3x + 13**

 **+3x +3x**

 **x2 – 51 = 13**

 **+ 51 +51**

 **x2 = 64**

 **x = 8**

x2 – 14 = 5x + 67 – 5x

**x2 – 14 = 67**

 **+14 +14**

 **x2 = 81**

 **x = 9**

x(x – 1) = 121 – x

 **x2 – x = 121 – x**

 **+x +x**

 **x2 = 121**

 **x = 11**

-3x2 + 14 = -67

 **-14 -14**

 **-3x2 = -81
 -3 -3**

 **x2 = 27**

 **x = 5.2**

x(x + 4) – 3 = 4(x + 19.5)

 **x2 + 4x – 3 = 4x + 78**

 **-4x -4x**

 **x2 – 3 = 78**

 **+3 +3**

 **x2 = 81**

 **x = 9**

216 + x = x(x – 5) + 6x

**216 + x = x2 – 5x + 6x**

**216 + x = x2 + x**

 **-x -x**

 **216 = x2**

 **14.7 = x**

½ (2x2 + 10) = 30

 **x2 + 5 = 30**

 **-5 -5**

 **x2 = 25**

 **x = 5**