

10.6 & 10.7 Review

**Problems from 10.6 Packet- you can check your work**

11.  $5\sqrt{2n^2 - 28} = 20$

12.  $4\sqrt{3x^2 - 15} = 12$

13.  $\sqrt{n+2} = n-4$

14.  $\sqrt{1-2x} = 1+x$

15.  $4 + \sqrt{x-2} = x$

16.  $n + \sqrt{n^2 + 3} = 3n$

Problems **NOT** from the packet. Solve and check

1.  $2\sqrt{x} - 8 = 0$

2.  $\sqrt{6-x} = x$

3.  $8 + \sqrt{8-2x} = x + 4$

4.  $\sqrt{11x-24} = x$

Use the Pythagorean Theorem to solve:

5.  $a = 2\sqrt{5}, c = 4\sqrt{3}$

6.  $a = \sqrt{7}, b = 3\sqrt{2}$

Find the distance between the two points:

7.  $(0, 1) (8, 3)$

8.  $(2, 4) (5, 0)$