Extra practice on parabolas

 Give the direction, vertex, p, focus, directrix, and graph

![Description: [image]]()

1. 

![Description: [image]]()

2. 

![Description: [image]]()

3. 

![Description: [image]]()

4. 

Put into standard form. Then do all the stuff from 1st page.

![Description: [image]]()

5. 

6. ![Description: [image]]()

**Use the information to write the equation of the parabola**

7. Vertex (9,1), Focus (8,1)

8. Vertex (-4,3) Focus (-5,3)

9. Vertex (9,0) Directrix x = 7

10. Vertex (-3,3) Directrix x = 1

11. Focus (4,2) Directrix y=6

12. Focus (3,2) Directrix y = 0