

$$1) \sqrt{\frac{27}{147}} = \frac{\sqrt{27}}{\sqrt{147}} = \frac{\sqrt{9\sqrt{3}}}{\sqrt{49\sqrt{3}}} = \frac{3\sqrt{3}}{7\sqrt{3}}$$

$$1, 4, 9, 16, 25, 36, 49, 64, 81, 100. = \left(\frac{3}{7}\right)$$

$$2) x^2 - 4x + 4 = 0$$

$$a=1, b=-4, c=4$$

Find the vertex.

$$x = \frac{-b}{2a}$$

$$x = \frac{-(-4)}{2(1)} = \frac{4}{2}$$

$$x = 2$$

$$y = (2)^2 - 4(2) + 4 \quad y = x^2 - 4x + 4$$

$$= 4 - 8 + 4$$

$$y = 0$$

-1	0	1	2	3	4	5
			0			

Vertex  
(2, 0)

# Ch.9 Matho

**Homework: Ch.9 Review Packet**