

**22-11-14**

1. Pattern 1:  $\sqrt{(10-9)^2 + (2-8)^2 + (10-9)^2} = \sqrt{1+36+1} = \sqrt{38} = 6.16$

Pattern 2:  $\sqrt{(10-9)^2 + (7-8)^2 + (10-9)^2} = \sqrt{1+1+1} = \sqrt{3} = 1.73$

2. Closest is [10, 7, 10] which means [9, 8, 9]  $\Rightarrow$  [9][8, 9]