**CROSS SECTIONS HW (Math 7 PLUS)**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Period:\_\_\_

**G**

**B**

**A**

**P**

**Z**

**F**

**K**

**H**

**M**

**J**

**C**

**I**

**E**

**D**

Using the cube above, describe what the shape of the cross-section would look like if the plane that cuts it goes through the given points.

1. Through points : J, M, H 2. Through points: P, K, M

3. Through points: E, C, K, P 4. Through points: C, D, A, F

5. Through points: M, H, E 6. Through points: G, K, M, H

7. No matter what the original 3D figure, if you cut with a plane parallel to the base your cross

section will always be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**KEY**

**P**

**B**

**A**

**G**

**Z**

**F**

**K**

**H**

**M**

**J**

**C**

**I**

**E**

**D**

Using the cube above, describe what the shape of the cross-section would look like if the plane that cuts it goes through the given points.

1. Through points : J, M, H 2. Through points: P, K, M

**SQUARE TRIANGLE**

3. Through points: E, C, K, P 4. Through points: C, D, A, F

**TRAPEZOID RECTANGLE**

5. Through points: M, H, E and 6. Through points: G, K, M, H

 the unseen lower corner

**RECTANGLE SQUARE**

7. **The same shape of the base.**