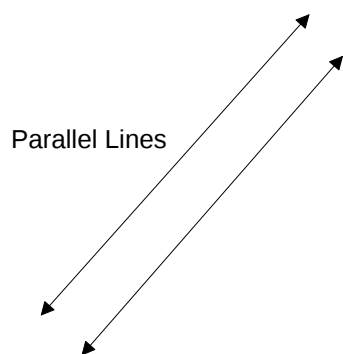
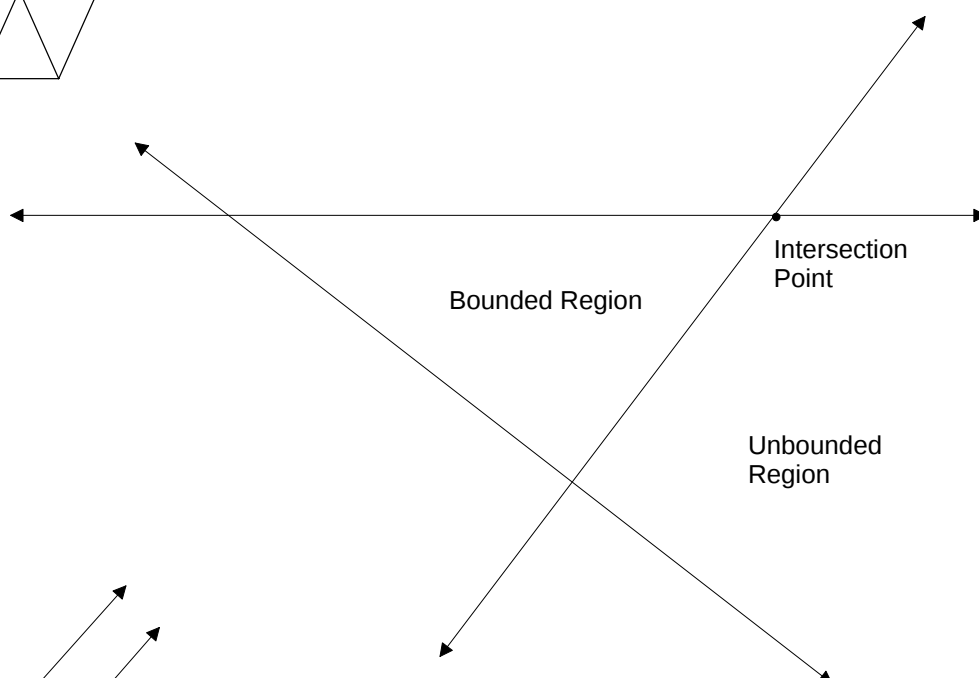
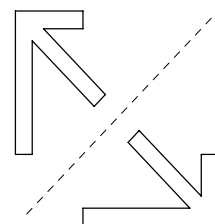
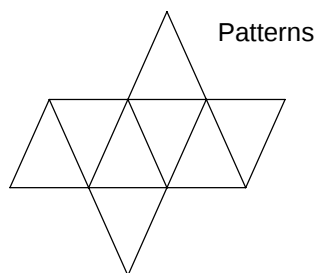




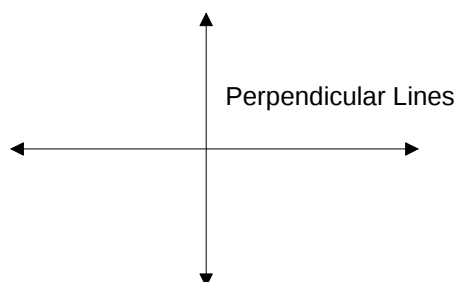
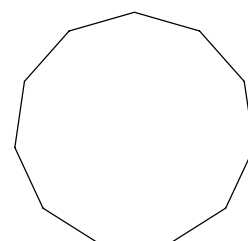
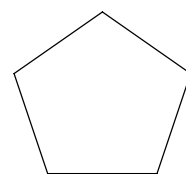
Name:

Year 10 Mathematics Development  
Investigation "Lines Drawn on a Plane"  
20 marks Due: **Friday 16th September**

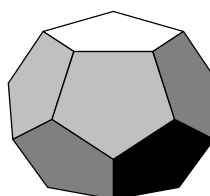
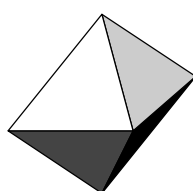
**Lines are drawn on a plane.... Investigate ????**



Different Shapes



Three Dimensional





Name:

Year 10 Mathematics Development  
Investigation "Lines Drawn on a Plane"  
20 marks Due: **Friday 16th September**

## Marking Key and Cover Page

### Comprehension

- Has demonstrated no understanding of what the investigation is asking. 0
- Demonstrates a limited understanding. 1
- Fully understands the situation presented. 2

### Strategies

- Has developed no strategies to determine mathematical conjectures. 0
- Has developed a suitable strategy to explore one area. 1
- Has developed a number of strategies and conjectures. 2
- Has developed a number of strategies and conjectures. 3
- Has developed a number of strategies and conjectures. 4

### Generalisations

- Has made no generalisations or conjectures. 0
- Has made one substantial and accurate generalisation. 1
- Has demonstrated a number of suitable generalisations. 2
- Has demonstrated a number of suitable generalisations. 3
- Has demonstrated a number of suitable generalisations. 4
- Has demonstrated a number of suitable generalisations. 5

### Justification

- Has given no explanation of generalisations. 0
- Has demonstrated some justification. 1
- Has demonstrated some justification. 2
- Has clearly justified a number of tested conjectures. 3
- Has clearly justified a number of tested conjectures. 4
- Has clearly justified a number of tested conjectures. 5

### Communication

- No communication evident. 0
- Limited mathematical report skills demonstrated. 1
- Good communication skills demonstrated. 2
- Good communication skills demonstrated. 3
- Report is neat, clear, concise and logical. 4

**Total**

**/20**