### 2nd October

<table>
<thead>
<tr>
<th><strong>Given</strong></th>
<th><strong>Find</strong></th>
</tr>
</thead>
</table>
| \( f(x) = 5x - 3 \)  
\( g(x) = 2x + 1 \) | \( f g(x) \) |

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**Given**

- Describe a transformation such that one vertex is invariant.
- Describe a transformation such that two vertices are invariant.

**Diagram**

- Shown is a triangle with points (1, -1), (3, -1) and (1, -3).

**Find**

- Find the smallest angle in a triangle whose sides have lengths 4cm, 7cm and 8cm.

**Set**

\[ \xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16\} \]

**Sets**

- A = prime numbers
- B = factors of 28

**Venn Diagram**

- Complete the Venn diagram
- One of the numbers is selected at random.
- Write down \( P(B \mid A) \)

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