## 22nd July

The curve A with equation \( y = f(x) \) is transformed to curve B with equation \( y = -f(x + 2) \)

<table>
<thead>
<tr>
<th>Find the coordinates of P</th>
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</thead>
</table>

The point on A with coordinates (2, 1) is mapped to the point P on B

### Donald saves some of his pocket money each week.

He saves 6p in week 1, 10p in week 2, 16p in week 3, 24p in week 4 and so on for 20 weeks.

<table>
<thead>
<tr>
<th>Find the amount he saves in week 20.</th>
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</table>

### Write down the exact value of Sin\(60^\circ\)

### Calculate the distance between A and B.

![Diagram](image)

Ship A is 60km from X on a bearing of 260\(^\circ\).

Ship B is 50km from X on a bearing of 310\(^\circ\).

### Calculate the bearing of A from B.