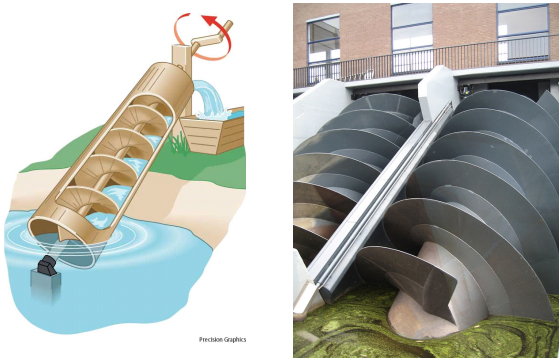


FIGURE 1

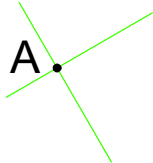


QUESTION 2a

LOCI  
HELIX

Figure 1 shows some examples of the principle of an auger being used to transport water in an elevated motion. Given is the incomplete **auxiliary view** and **front view** of an **auger** that will be used to elevate water from the lower reservoir to the upper canal in a water theme park. Project and draw the auger to the following specifications:

- The helix is **left-handed**.
- The auger **starts** at **point A**.
- Complete **2 turns** if the pitch is **60 mm**.
- Show all **constructions**.



CANAL

RESERVOIR

ASSESSMENT CRITERIA

<input checked="" type="checkbox"/>	Setup	3
<input checked="" type="checkbox"/>	Plot Points	14
<input checked="" type="checkbox"/>	Auxiliary View	1
<input checked="" type="checkbox"/>	Loci	2

SET<sub>3</sub>

PLOT<sub>14</sub>

AUX<sub>1</sub>

LOC<sub>2</sub>

20 MARKS

EXAMINATION NUMBER

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ANSWER SHEET 2a