

Essential Skills 5 - Answers

1	<i>maximum</i> (0, 0),	<i>minimum</i> (2, -4)
2	<i>maximum</i> (-2, 16),	<i>minimum</i> (2, -16)
3	<i>maximum</i> (-4, -34),	<i>minimum</i> (-2, -38)
4	<i>maximum</i> $\left(\frac{1}{3}, \frac{125}{27}\right)$,	<i>minimum</i> (2, 0)
5	<i>maximum</i> (-2, 61),	<i>minimum</i> (3, -64)
6	<i>maximum</i> (0, 0),	<i>minimum</i> (1, -1)
7	<i>maximum</i> $\left(-\frac{2}{3}, \frac{67}{27}\right)$,	<i>minimum</i> (2, -7)
8	<i>maximum</i> $\left(\frac{4}{3}, \frac{4}{27}\right)$,	<i>minimum</i> (2, 0)
9	<i>maximum</i> (-3, -54),	<i>minimum</i> (3, 54)
10	<i>maximum</i> (-1, 2) & (1, 2),	<i>minimum</i> (0, 0)
AQ	(1)(a)proof (b) $x = 6: V = 288 \text{ cm}^3$ (2) <i>max</i> 18 @ $x = 3$, <i>min</i> -2 @ $x = 1$	

Online Study Pack

Please give yourself every opportunity for Higher Maths success. Clear, easy to follow, handwritten worked solutions to all Essential Skills worksheets, SQA Past & Practice Papers, Theory Guides, and a wealth of exam focused resources available in the Online Study Pack.

Click Below:

Higher Maths Study Pack

<https://www.highermathematics.co.uk/students/>