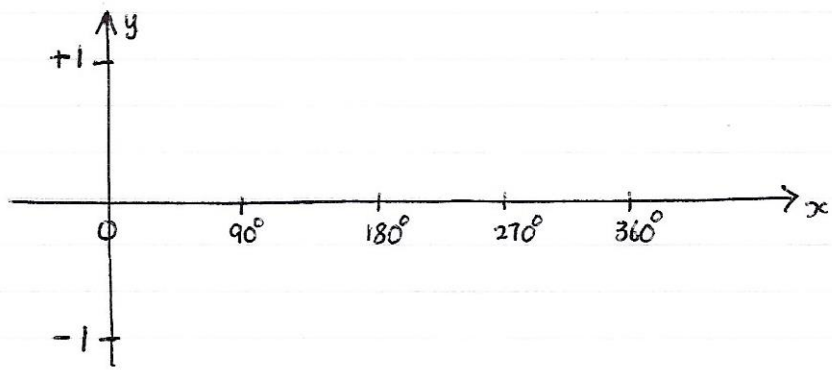
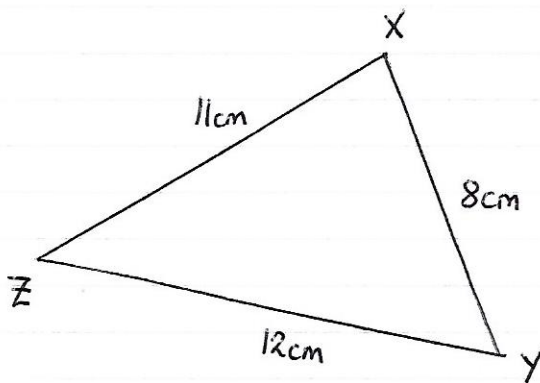


- 1) a) sketch the curve $y = \sin x$ on the axes below



- b) Hence solve the equation $\sin x = -0.6$ in the range 0° to 360°

2)

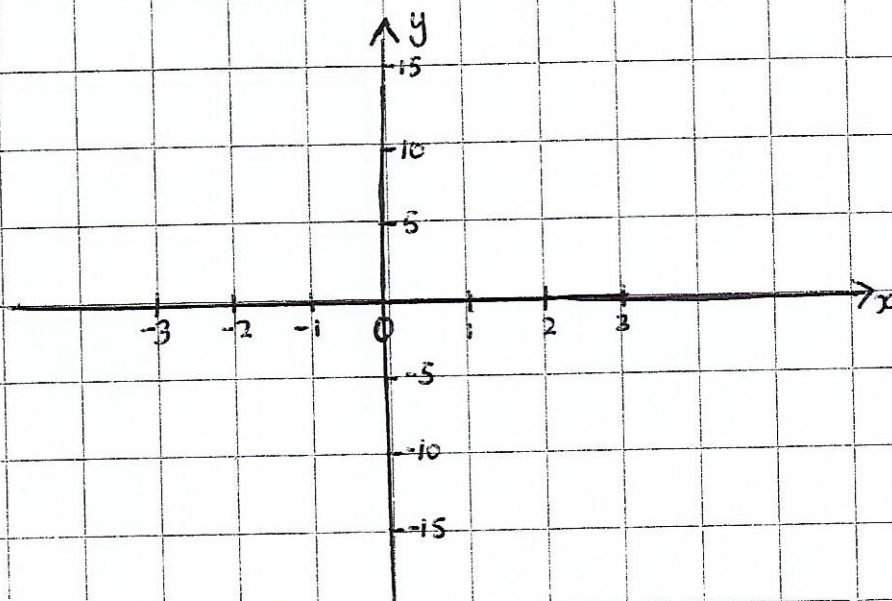


Calculate $\hat{X}YZ$

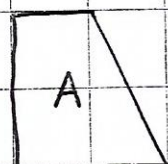
- 3) Is $(\sqrt{3}-\sqrt{2})(\sqrt{3}+\sqrt{2})$ rational or irrational?

4) Complete the table of values and plot the graph of $y = 2x^2 + x - 6$

x	-3	-2	-1	0	1	2	3
y	9		-5	-6		4	15



5) Enlarge shape A by scale factor $\frac{1}{2}$ using point X as the centre of enlargement



• X

6) Enlarge shape A by scale factor -2 using point X as the centre of enlargement

