

Extension 1 Miscellaneous Worksheet – Answers

- 1 $A= 5, \alpha= \sin^{-1} (4/5), x=0.64$
- 2 $\tan^2 \theta = (1- \cos 2\theta) / (1+ \cos 2\theta) , \tan \pi/8 = 3 - 2\sqrt{2}$
- 3 (i) [answers may vary.] (ii) $x= 3t, y= 2t^2$, (iii) $y=2x^2/9$
- 4 $\pi/6$
- 5 [answers may vary.]
- 6 [answers may vary.]
- 7 $b=40\sqrt{2}$
- 8 1:2
- 9 (10,1)
- 10 16