

Phys 208 – Homework (HW04) – SP13 (Due Monday, February 4, 2013)

Problems: 2.5.57, 2.5.59, 2.5.60, 2.5.62, 2.6.7, 2.7.7

Answers: 2.5.57 Hyperbola, $x^2 - y^2 = 4$ 2.5.60 Circle, $(x-1)^2 + (y+1)^2 = 4$

2.5.62 Ellipse, $\frac{x^2}{16} + \frac{y^2}{15} = 1$ 2.6.7 $\rho = \sqrt{2}$, so Divergent

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Phys 208 – Homework (HW05) – SP13 (Due Wednesday, February 6, 2013)

Problems: 2.7.12, 2.7.14, 2.9.25, 2.9.38, 2.10.4, 2.10.11

Answers: 2.9.25 -1 2.10.11 $-2, 1 \pm i\sqrt{3}$

Phys 208 – Homework (HW06) – SP13 (Due Friday, February 8, 2013)

Problems: 2.10.19, 2.11.8, 2.11.9, 2.11.15, 2.11.17, 2.12.1

Answers: 2.10.19 $-i, \frac{1}{2}(\pm\sqrt{3} + i)$