

**JHMT 2013 General Test 1
SOLUTIONS**

Problem 1. 16

Problem 2. $12\sqrt{5}$

Problem 3. $\sqrt{5} - \sqrt{3}$

Problem 4. 4000

Problem 5. $\frac{3}{8}$

Problem 6. $\frac{17\sqrt{5}}{6}$

Problem 7. $\frac{25\pi}{2} - 25$

Problem 8. $2 - \sqrt{3}$

Problem 9. $\frac{7}{8}$

Problem 10. 39