

**Probability & Statistics – Hustle  
MA@ National Convention 2013  
Answer Key**

1. 22.5 (or equivalent)
2.  $5\sqrt{3}/4$  (or equivalent)
3. 14 on the quiz
4. 21/58 (or equivalent)
5. 625/1296 (or equivalent)
6. 3/8 (must be a fraction)
7. The mean.
8. 7/8 (must be a fraction)
9. 81.5%
10. 1/270725
11. 0
12. 25
13. 2.2 (must be a decimal)
14.  $3\sqrt{2}/125$
15.  $\hat{y} = 104.94 + 3.8x$  (or equivalent)
16. 16
17.  $H_0: \mu = \$325,000$ ;  $H_a: \mu > \$325,000$
18. 20%
19. Type I Error
20. 1/17550
21. 152/15 (or equivalent)
22. 10
23.  $11\sqrt{5}/50$
24.  $5\sqrt{5}$
25.  $10 \pm .996$  (must be in this form)