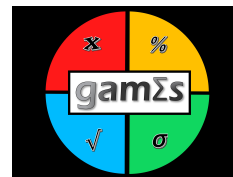
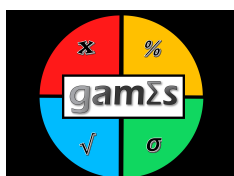


GAMES Practice Problem Solutions – Integration Part 1



1. (a) $2 * (16 + 46 + 92 + 154) = 616$.
(b) $2 * (46 + 92 + 154 + 232) = 1048$
2. $\frac{6}{4} \leq \int_4^8 f(x)dx \leq \frac{8}{4}$
3. (a) $\int_4^{20} f(x)dx = -24$,
(b) -1.5
4. (a) 18
(b) $x^2 + 7x - 60$
5. $\int_{1000}^{9000} (3 - 0.01x + 0.000006x^2)dx = 1080000$
6. $\int_2^3 (95 + 0.2t^2 - 0.9t)dt = 94.0167$ bicycles



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