

CALCULUS I – Worksheet #32

1. $\int 5^x dx$

2. $\int \frac{1}{2^x} dx$

3. $\int_1^2 5^{(2x-2)} dx$

4. $\int x \sin x dx$

5. $\int \ln x dx$

6. $\int \tan^{-1}x dx$

7. $\sum_{k=2}^4 (4k + 1)$

8. $\sum_{h=1}^6 (h^2 + 5)$

For Problems 9 – 11: $\int_{-1}^0 f(x) dx = -2$ $\int_0^1 f(x) dx = 1$ $\int_{-1}^0 g(x) dx = 3$

$\int_{-1}^1 g(x) dx = 7$ $\int_{-1}^1 h(x) dx = 5$ $\int_0^1 h(x) dx = 11$

9. $\int_0^1 g(x) dx$ 10. $\int_{-1}^0 2g(x) - f(x) dx$ 11. $\int_0^{-1} h(x) dx$
