

Exponent Laws – Assignment I

| Question | | Express as a single power | Evaluate if the power does not involve a variable |
|----------|--|---------------------------|---|
| 1 | $5^2 \times 5^3 \times 5^4$ | | |
| 2 | $3 \times 3^{10} \times 3^6$ | | |
| 3 | $2^{-3} \times 2^8$ | | |
| 4 | $10^2 \times 10^{-3} \times 10^4$ | | |
| 5 | $x^2 \times x^5 \times x^8$ | | |
| 6 | $(-7)^3(-7)^2(-7)$ | | |
| 7 | $(9)^{10}(9)^{-13}(9)^5$ | | |
| 8 | $5a^2 \times a^2 \times a^3$ | | |
| 9 | $-2^2 \times 2^{-6} \times 2^8$ | | |
| 10 | $4b^3 \times b^{-5} \times a^6 \times b^{10} \times a^5$ | | |