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| --- | --- | --- |
| 1. Simplify | 1. Simplify | 1. Simplify |
| 1. Simplify. Use only positive exponents. | 1. Simplify. Use only positive exponents. | 1. Simplify. Use only positive exponents. |
| 1. Rewrite; then evaluate. | 1. Rewrite using rational exponents; simplify if possible. | 1. Rewrite using radicals. |
| 1. Simplify | 1. Simplify | 1. Simplify |
| 1. Simplify | 1. Simplify | 1. Simplify |
| 1. Simplify | 1. Simplify | 1. Simplify |
| 1. Factor: 100x2 - 4 | 1. Factor: 512x2 - 8 | 1. Factor: 18x2 + 138x – 48 |
| 1. Factor: 5x3 + 39x2 – 54x | 1. Factor: 14x2 + 22x + 8 | 1. Factor: x2 – 6x – 40 |
| 1. Factor: 7x2 -41x + 30 | 1. Factor: 7x2 + 38x + 40 | 1. Solve: 5a2-6a=7a-24 |
| 1. **Solve:** | 1. **Solve:** | 1. **Solve:** |
| 1. **Solve:** | 1. **Solve:** | 1. **Solve:** |
| 1. Simplify   (2x2 + x + 10) + (7x2 + 14) | 1. simplify (x2 + 3)(x + 6) | 1. Simplify   (-5x + 2)(3x2 – x + 4) |
| 1. Find the inverse. | 1. Find the inverse | 1. Determine if the functions are inverses |
| 1. Fid the coefficient of the given term in the specified row of Pascal’s Triangle   Row 4 term 1 | 1. Expand the binomial using the Binomial Theorem or Pascal’s Triangle   , | 1. Find the given term:   , term 3 |