hw-01b-polynomials-factoring

Due: **12/12/2015 at 06:00am EST.**

Students will be able to:

- Factor Polynomials

Functions and symbols that WeBWorK understands.

Links to some useful WeBWorK pages for students

1. (1 pt) Factor the polynomial as much as possible.

$x^2 - 2x - 15$

Your answer : _____

2. (1 pt) Factor the polynomial $x^2 - 81$ as much as possible.
Your answer is _____

3. (1 pt) Factor the polynomial $4x^2 - 16$ as much as possible.

Your answer is _____

4. (1 pt) Factor the polynomial as much as possible.

$16x^2 - 24x + 9$

Your answer: _____

5. (1 pt) Factor the polynomial $x^3 + 27$. Your answer: _____

6. (1 pt) Factor the polynomial.

$x^3 - 8$

Your answer: _____

7. (1 pt) Factor the polynomial as much as possible.

$t^5 + 4t^4 - 5t^3$

Your answer: _____

8. (1 pt) Factor the polynomial as much as possible

$x^3 + 10x^2 - 36x - 360$

Your answer: _____

9. (1 pt) Factor the polynomial as much as possible.

$4a^2 + 36ab + 81b^2 - 49$

Your answer: _____

10. (1 pt) Factor the polynomial as much as possible.

$25x^{16} - 9y^6$

Your answer: _____

11. (1 pt) Factor the polynomial as much as possible

$(x-1)(x+6)^2 - (x-1)^2(x+6)$

Your answer _____

12. (1 pt) Factor the polynomial as much as possible.

$343x^{12} - 8y^{15}$

Your answer: _____