

Factoring Perfect Squares and a Difference of Squares

Level 1 - Factor simple perfect squares and simple difference of squares

Level 2 - Factor more complex expressions where a GCF may be present

Level 3 - Factor complex expressions which may include two or more variables

scan for answers



Chapter 7: Worksheet 3

Level 1

Factor the following Difference of Squares.

| | | |
|--------------|----|----|
| a) $x^2 - 4$ | b) | c) |
|--------------|----|----|

Factor the following Perfect Squares.

| | | |
|-------------------|----|----|
| j) $x^2 + 2x + 1$ | k) | l) |
|-------------------|----|----|

Level 2

Factor the following Difference of Squares by first removing a GCF (if possible).

| | | |
|----------------|----|----|
| a) $4x^2 - 64$ | b) | c) |
|----------------|----|----|

Factor the following Perfect Squares by first removing a GCF (if possible).

| | | |
|----------------------|----|----|
| m) $3x^2 + 18x + 27$ | n) | o) |
|----------------------|----|----|

Level 3

Factor the following expressions.

| | |
|-------------------|----|
| a) $9x^2 - 16y^2$ | b) |
|-------------------|----|