***Pre-Calculus 11***

***Unit 2: Absolute Value and Radical***

***Worksheet 2.3 – Simplifying Radical Expressions***

1. Without using a calculator, simplify by adding or subtracting like terms.
2.  b)  c) 

d)  e)  f) 

1. Simplify.
2.  b) 

c)  d) 

1. Identify restrictions on the variables, then simplify the radical.
2.  b) 

c)  d) 

1. \*A square with area of 18*cm2* is placed beside a square with area 28*cm2* write a simplified expression for the perimeter of the shape.
2. \*Two squares are enclosed in a large square as shown. The area of the smallest square is 5*cm2*, and the area of the middle square is 20*cm2*. Determine the area and perimeter of the shaded region.
3. \*Explain why we can simplify  into 

***Solutions***

1. a)  b)  c)  d)  e)  f) 
2. a)  b)  c)  d) 
3. a)  b) 

c)  d) 

4. *cm* 5. 20*cm*2, cm 6. Answers will vary.