Name: _____ Date _____

Topic : *Composition of Functions - Worksheet 1* **ANSWERS**

1. 15

2. -23

3. 127

4. $4x + 1$

5. $1176x^2 + 672x + 96$

6. $84x^2 + 4$

7. $(f \circ g)(x)$ And $(g \circ f)(x)$ are two different composition and their values need not be same.

8. 60

9. $6/x$

10. 2

Name: _____ Date _____

Topic : *Composition of Functions - Worksheet 2* **ANSWERS**

1. 19

2. -34

3. 224

4. $5x + 1$

5. $32x^2 + 256x + 512$

6. $32x^2 + 256x + 512$

7. $(f \circ g)(x)$ And $(f \circ g)(x)$ are two different composition and their values could be same.

8. 90

9. 2

10. 2

Name: _____ Date _____

Topic : *Composition of Functions - Worksheet 3* **ANSWERS**

1. 14

2. 15

3. 86

4. x-10

5. 154

6. 722

7. (g ∘ f)(5) And (f ∘ g) (5) are two different composition and their values need not be same.

8. 32

9. 2.5

10. 5/x

Name: _____ Date _____

Topic : *Composition of Functions - Worksheet 4* **ANSWERS**

1. 18

2. 60

3. 179

4. 8

5. $16x + 10$

6. $64x$

7. NO, $(g \circ g)(x)$ And $(f \circ f)(x)$ are two different composition and their values need not be same.

8. $4x$

9. 1

10. 2

Name: _____ Date _____

Topic : *Composition of Functions - Worksheet 5* ANSWERS

1. 213

2. 369

3. 237

4. 82

5. 56

6. 5488

7. NO, (g ∘ g) (2) And (f ∘ f) (2) are two different composition and their values need not be same.

8. 54

9. 3/5

10. 1