

Name _____

ANSWER Sheet

Show all work on this paper. There is a printable "Certificate" available when you find the last hidden box.



Box 1: 1. If $f(x) = 3x + 2$ and $g(x) = x^2 + 1$

a) calculate $f^{-1}(4)$

b) calculate $(g \circ f)(5)$

c) calculate $(f + g)(-2)$

2. If $f(x) = x^2 + 3x + 4$, then $\frac{f(x+h) - f(x)}{h}$ is which choice?

1. $h/h = 1$

2. $x^2 + 3x + 4 + h$

3. $6x + h + 8$

4. $2x + h + 3$

3. Given $f : x \rightarrow x^2 - x$, find all $x \in D(f) \ni f(x) = 6$.

Box 2:

1.

2.

3.

Box 3:

1.

2.

3.

4.

Box 4:

1.

2.

3.

4.

Box 6:

1.

2.

3.

4.

Box 5:

1.

3.

2.

4.

Box 7:

1.

2.

3.

Box 8:

1.

2.

3.

Box 9:

1.

2 a)

b)

Box 10 URL: