



Name \_\_\_\_\_

## PreAlgebraCaching ANSWER Sheet

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

The starting box is found at:

<http://mathbits.com/caching/prealgcach1.html>

### Box 1:

1. Simplify:  $(-2)^2 + 26 \div (-8 + 6) \cdot 2 - (-10) - 2^2$

2. Evaluate each expression when  $x = 4$ ,  $y = 2$ , and  $z = -1$ .

a.  $\frac{6x+4}{y}$

b.  $x + y^2 + z^3$

c.  $(x + y)(x - z)$

d.  $\frac{xy + yz}{x + y}$

### Box 2:

1. 4.

2. 5.

3. 6.

### Box 3:

1. 2.

3. 4.

### Box 4:

1. 4.

2. 5.

3.

### Box 5:

1. 2.

3. 4.

**Box 6:**

- 1.
- 2.
- 3.
- 4.

**Box 7:**

- 1.
- 2.
- 3.

**Box 8:**

- 1.
- 2.
- 3.
- 4.

**Box 9:**

- 1.
- 2.
- 3.
- 4.
- 5.

**Box 10:** Complete this URL of the winning box!

[http://MathBits.com/Caching/ PA\\_\\_\\_\\_\\_ .html](http://MathBits.com/Caching/PA_____ .html)

Remember that there is a printable "Certificate".