**You Try:**

Substitute to evaluate the following algebraic expressions when x = 2, y = 25 and z = 8. Show all of your work!

| | | |
|---|---|---|
| 1) $3z$<br>**24** | 2) $y - z + x$<br>**19** | 3) $y^x$<br>**625** |
| 4) $z \div x$<br>**4** | 5) $x + y + z$<br>**35** | 6) $9 - x$<br>**7** |
| 7) $100 - 10x - 10z$<br>**0** | 8) $14 \div x + 2y$<br>**57** | 9) $w^0$<br>**1** |
| 10) $xyz$<br>**400** | 11) $z(x + y)$<br>**216** | 12) $x + x \bullet y$<br>**52** |



# Evaluating Expressions Extra Practice

Use substitution to evaluate each expression for the given value of the variable. Show your work!

| | | |
|---|---|---|
| 1) $9y - 3$ (for y = 11)<br>**96** | 2) $7m$ (for m = 5)<br>**35** | 3) $d^2 - 2d$ (for d = 9)<br>**63** |
| 4) $6q + 39$ (for q=10)<br>**99** | 5) $6v$ (for v = 3)<br>**18** | 6) $j^3 + 11$ (for j = 8)<br>**523** |
| 7) $2k^2 + 5k + 2$ (for k = 11)<br>**299** | 8) $\frac{n}{3} + n$ (for n = 27)<br>**36** | 9) $a \div 3$ (for a = 42)<br>**14** |
| 10) $4(11 + p) + 13$ (for p = 89)<br>**413** | 11) $h^3 - 2$ (for h = 7)<br>**341** | 12) $14z - 1$ (for z = 9)<br>**125** |