

Evaluate the following arithmetic expressions where: $a=3$, $b=4$ & $c=5$.

Show your working!

a) $a * b + c$

b) $a * (b + c)$

c) $a ^ b$

d) $b * a ^ c$

e) $(c - a) ^ b$

f) $8 * (a + c) / b$

g) $(b + c) / a * b$

h) $(a + b) * (b + c) / (c - a)$

Evaluate the following logical expressions where $a=3$ and $b=4$.

Show your working!

a) $4 * a = 3 * b$

b) $b \leq a$

c) $(a + b) < (b - a)$

d) $3^a = b^2$

e) $(5 - a) * (b + 1) > (a * b - 6)$

f) $\text{NOT}(a < b)$

g) $((a + b) > 3) \text{ AND } ((2 * a - b) < 2)$

h) $(ab < 10) \text{ OR } (a < 5) \text{ AND NOT } (b > a)$