

Checklist

- do I have ONE equal sign per line
- did I read the question carefully and answer what was asked
- did I leave my fraction answers in LOWEST Terms
- was I careful when using operations involving negative values

1. Evaluate the following: (K – 6 marks)

(a) $7 - 12 =$

(b) $-5 - (-11) =$

(c) $(-7)(-4) =$

(d) $\frac{(14)(-3)}{(-7)} =$

(e) $(-6)^2 =$

(f) $-24 \div (-3 + 11) =$

2. **Solve** for the unknown in each of the following ratio problems: (App – 6 marks)

(a) $m + 12 = 23$

(b) $\frac{a}{5} = 3$

(c) $3a = 24$

(d) $a - 8 = -19$

(e) $2a + 12 = 34$

(f) $4z - 9 = 7z + 12$

3. Write the following in standard form (reduce) – (12 marks)

(a) $3^2 \times 3^3$

(b) $(-2)^3 \times (-2)^2$

(c) $(5)^4(5)^3$

(d) $(3.2)^2(3.2)^2$

(e) $((y)^2)^3$

(f) $(3)^4 \div (3)^2$

(g) $((-2)^2)^5$

(h) $(yz)^2(y^3z)$

(i) $(-2ab)(-ab)^2$

(j) $(5s^2t^2)^2(-st)$

(k) $\frac{6q^3r^2}{3q^2r^2}$

(l) $8x^6y^4 \div (-4x^3y^2)$