MA014G
Algebra and Discrete Maths
Self-assessment Numeracy Test

This is a *timed* self-assessment test. Make a print-out of it and do it one day, when you have twenty minutes where you know nobody is going to disturb you. Set an alarm clock to ring after **20 minutes**, do the test and then check your answers against the answers on the course website.

Please note that calculators must not be used for this test!

Good Luck!

[Q1] $2 + 3 \cdot 4 = $ _____

[Q2] $2 + 3 \cdot 6 - 4 = $ _____

[Q3] $(2 + 3) \cdot (6 - 4) = $ _____

[Q4] $2 + 3 \cdot (6 - 4) = $ _____

[Q5] $8 - 6 - 1 = $ _____

[Q6] $8 - (6 - 1) = $ _____

[Q7] $8 - (-6 - 1) = $ _____

[Q8] $-8 \cdot (-6) = $ _____

[Q9] $(-8) \cdot (-6) = $ _____

[Q10] $(-8)(-6) = $ _____

[Q11] $10 \cdot (2 - 3) = $ _____

[Q12] $10(2) - 3 =$ _____

[Q13] $10 \cdot \frac{1}{2} =$ _____

[Q14] $10 \div \frac{1}{2} =$ _____

[Q15] $\frac{-24}{12} =$ _____

[Q16] $\frac{-24}{-12} =$ _____

[Q17] $1 - \frac{-24}{-12} =$ _____

[Q18] $\frac{2}{3} \cdot \frac{4}{5} =$ _____

[Q19] $\frac{1}{2} + \frac{1}{3} + \frac{1}{7} =$ _____

[Q20] $2^2 =$ _____

[Q21] $2 \cdot 2^2 =$ _____

[Q22] $-2^2 =$ _____

[Q23] $(-2)^2 =$ _____

[Q24] $\sqrt{4} =$ _____

[Q25] $3^3 < 2^5$
True or false? _____

[Q26] $3^3 =$ _____

[Q27] $2^5 =$ _____

[Q28] $(-2)^3 < 2^3$
True or false? _____

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[Q29] $(-2)^4 < 2^4$
True or false? _____

[Q30] $(-2)^4 > 2^4$
True or false? _____

[Q31] $(-2)^4 \leq 2^4$
True or false? _____

[Q32] $2^2 \cdot 2^5 = 2^{10}$
True or false? _____

[Q33] If $a = 2^2$ and $b = 2^3$ then $ab =$ _____

[Q34] If $a = 8$ and $b = 2$ then $ab = 2^x$ where $x =$ _____

[Q35] $(-2)(-8) - 5(-4) =$ _____

[Q36] $(-2)^3 + (-1)^4 - (-1)^2 =$ _____

[Q37] $\dfrac{18}{0.1 - 0.1(-2)} =$ _____

[Q38] $\dfrac{2 - \frac{2}{9}}{\frac{8}{9}} =$ _____

[Q39] 20% of 40 is _____

[Q40] If a blouse costs kr. 360 in a sale where you get a discount of 40%, the price of the blouse before the sale was   kr. _____

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