Math Basics Checklist 2 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­\_\_\_\_

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| **TOPIC/ANSWER** | ANSWER |  |  |  |
| **Logarithms**  Solve [y = log2x3 – 3] when x =1 and x=8 |  |  |  |  |
| **Inequalities**  *Solve |2x + 1| > 7* |  |  |  |  |
| **Trigonometry – Angles**  Find the value of: cos 30/sin 60/sin 45/tan 45 |  |  |  |  |
| **Functions**  *Write the perimeter of a square p as a function of A. [p(A)]* |  |  |  |  |
| **Limits**  Find the following limits:   * limx→∞(x+3) * limx→∞(1-ex)/(1+2ex) * limx→π(tan x) |  |  |  |  |
| **Derivatives**  Find the following derivatives:  X2  4x3  2∙x∙cos(x) |  |  |  |  |