

MTH 28.5 LECTURE NOTES (Ojakian)

Topic 6: Simplest Simplifying - Combining like terms and expanding

OUTLINE

References (1.1, 1.2, 1.3, 1.5)

1. Expressing quantities with algebra
 2. Simple Simplifying
 - (a) Combining Like Terms
 - (b) Expanding using distributivity
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1. Using algebra to express quantities

Express the following WITHOUT calculating.

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|------------------------------------|---|
| (a) 20 more than 5 | (j) Half of an unknown |
| (b) 20 more than x | (k) 3 times an unknown |
| (c) 20 more than an unknown number | (l) The difference between 8 and 3 |
| (d) The sum of two unknowns. | (m) The difference between x and 3 |
| (e) 10 less than 40 | (n) The product of 5 and $\frac{3}{17}$ |
| (f) 10 less than y | (o) The product of 5 and an unknown. |
| (g) Double 51. | (p) The quotient of 10 and 2 |
| (h) Double an unknown | (q) The quotient of an unknown and 2 |
| (i) Half of 10 | |

