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|--|---------------|--|---------------------------|------------------|
|  | Navn:         |  | Skole:                    |                  |
|  | Klasse:<br>20 |  | Dato: 3. december<br>2020 | Fag: Matematik A |

### Opgave 004

$$\begin{aligned}
 A) & 5a - (-((-3a + 2b) - 4b) + (-7a - (a - b)) - 3b) \\
 & 5a - (-(-3a + 2b - 4b) + (-7a - a + b) - 3b) \\
 & 5a - (-(-3a - 2b) + (-8a + b) - 3b) \\
 & 5a - (3a + 2b - 8a + b - 3b) \\
 & 5a - (-5a) \\
 & 10a
 \end{aligned}$$

$$\begin{aligned}
 B) & 4c - ((-6d - 3c) - (-8c - 11d) - 5c + 9d) \\
 & 4c - (-6d - 3c - (-8c - 11d - 5c + 9d)) \\
 & 4c - (-6d - 3c + 8c + 11d + 5c - 9d) \\
 & 4c - (-6d + 11d - 9d - 3c + 8c + 5c) \\
 & 4c - (-4d + 10c) \\
 & 4c + 4d - 10c \\
 & -6c + 4d
 \end{aligned}$$

$$\begin{aligned}
 C) & (3e - (cf + e) + (3e - 2f) - 8f) \\
 & 3e - (cf + e + 3e - 2f - 8f) \\
 & 3e - (cf - 2f - 8f + e + 3e) \\
 & 3e - (-9f + 4e) \\
 & 3e + 9f - 4e \\
 & -e + 9f
 \end{aligned}$$