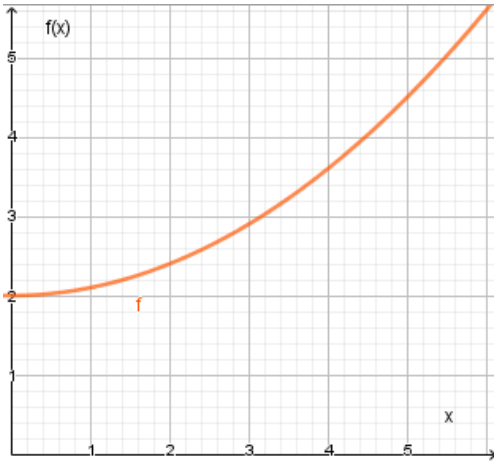
Thema: Das bestimmte Integral – Maturaformate 1		**Grundkompetenz:** AN-R 4.3
Name:	**Schwierigkeitsgrad:** mittel	**Klasse:**

Gegeben ist der Graph einer Funktion f. Kreuze jeweils die beiden zutreffenden Aussagen an.

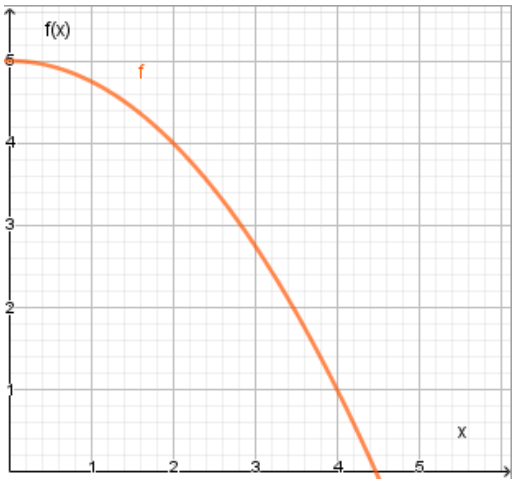
a)

A	$\int_0^3 f(x)dx > 7$	☐
B	$\int_2^4 f(x)dx < \int_1^3 f(x)dx$	☐
C	$13 > \int_0^5 f(x)dx$	☐
D	$\int_1^{1,5} f(x)dx < \int_2^3 f(x)dx$	☐
E	$\int_0^{0.5} f(x)dx > 1$	☐



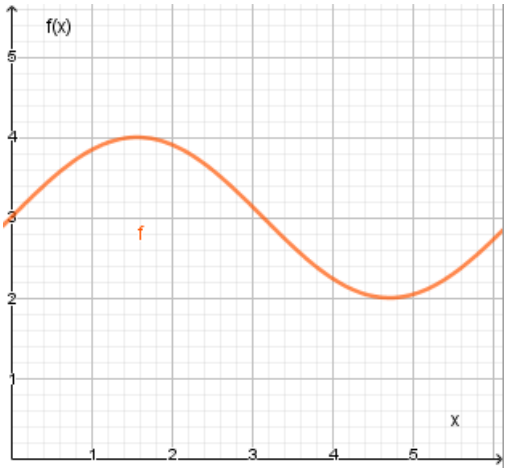
b)

A	$\int_{1,5}^{3,5} f(x)dx < \int_2^4 f(x)dx$	☐
B	$\int_0^3 f(x)dx < \int_1^4 f(x)dx$	☐
C	$9 > \int_0^2 f(x)dx$	☐
D	$\int_0^1 f(x)dx < \int_2^4 f(x)dx$	☐
E	$13 < \int_0^{4,3} f(x)dx$	☐



c)

A	$10 \leq \int_0^3 f(x)dx$	☐
B	$\int_0^5 f(x)dx = 17$	☐
C	$\int_1^2 f(x)dx < \int_3^5 f(x)dx$	☐
D	$2 \cdot \int_4^5 f(x)dx < \int_2^1 f(x)dx$	☐
E	$\int_5^6 f(x)dx = 2{,}5$	☐

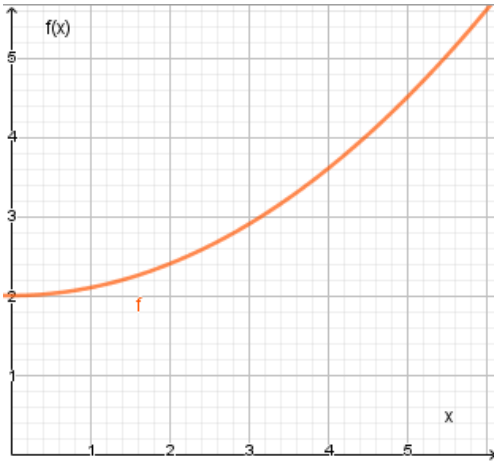


Thema: Das bestimmte Integral – Maturaformate 1 - Lösungen		**Grundkompetenz:** AN-R 4.3
Name:	**Schwierigkeitsgrad:** mittel	**Klasse:**

Gegeben ist der Graph einer Funktion f. Kreuze jeweils die beiden zutreffenden Aussagen an.

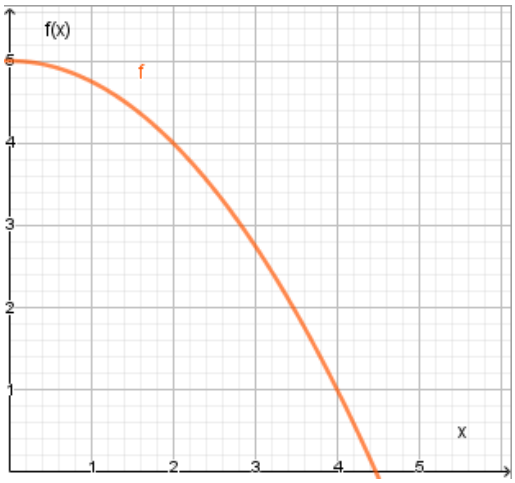
a)

A	$\int_0^3 f(x)dx > 7$	☐
B	$\int_2^4 f(x)dx < \int_1^3 f(x)dx$	☐
C	$13 > \int_0^5 f(x)dx$	☐
D	$\int_1^{1,5} f(x)dx < \int_2^3 f(x)dx$	☒
E	$\int_0^{0.5} f(x)dx > 1$	☒



b)

A	$\int_{1,5}^{3,5} f(x)dx < \int_2^4 f(x)dx$	☐
B	$\int_0^3 f(x)dx < \int_1^4 f(x)dx$	☐
C	$9 > \int_0^2 f(x)dx$	☐
D	$\int_0^1 f(x)dx < \int_2^4 f(x)dx$	☒
E	$13 < \int_0^{4,3} f(x)dx$	☒



c)

A	$10 \leq \int_0^3 f(x)dx$	☒
B	$\int_0^5 f(x)dx = 17$	☐
C	$\int_1^2 f(x)dx < \int_3^5 f(x)dx$	☒
D	$2 \cdot \int_4^5 f(x)dx < \int_2^1 f(x)dx$	☐
E	$\int_5^6 f(x)dx = 2{,}5$	☐