

$$w(x) = -3.47 x^{2.00} + 52.1 x - 100$$

50 kN/m

A

-50 kN/m

5

10

B

200 kN

$V(x)$

-200 kN

1000 kN-m

$M(x)$

-1000 kN-m

$$V(x) = -(-1.16 x^{3.00} + 26.0 x^{2.00} - 100 x - 227)$$

$$M(x) = 0.289 x^{4.00} - 8.68 x^{3.00} + 50.0 x^{2.00} + 227 x$$