6. The function whose graph is $x = f^3$, and is shifted to the right 6 units is:

$x = f^3 - 6$

$x = (f + 6)^3$

$x = (f - 6)^3$

$x = f^3 + 6$

Solution

After shifting to the right 6 units, the function becomes: $x = (f - 6)^3$