

Translation - Function

L2S3

If $g(x)$ is a translated function of $f(x)$, then find $g(x)$.

1) $f(x) = (7x + 2)^2 - 6$; shifts 9 units down and 1 unit left.

2) $f(x) = (2x - 3)(x + 9)$; shifts 2 units up and 7 units right.

3) $f(x) = x^2 - 5$.

4) $f(x) = 8(-x - 2)$; shifts 2 units right.

5) $f(x) = 6x^2 - 4$.

6) $f(x) = -9(-x - 4)^2 + 1$; shifts 3 units right and 2 units down.

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