Functions · Grade 11

Name _____ Date _____ Score _____ / 6

01 $f(x) = x^2 - 3x + 4$; $f(-10)$ =

Answer: _____

02 $f(x) = x^2 + 3x + 1$; $f(7)$ =

Answer: _____

03 $f(x) = 10x - 3$. Find $f^{-1}(x)$ =

Answer: _____

04 $f(x) = x^2 - 5x + 6$; $f(5)$ =

Answer: _____

05 $f(x) = 8x - 6$. Find $f^{-1}(x)$ =

Answer: _____

06 $f(x) = (x - 5)^2 + 3$. Find $f^{-1}(x)$ =

Answer: _____

Functions · Grade 11 (Answer Key)

01 $f(x) = x^2 - 3x + 4$; $f(-10)$ =

134

02 $f(x) = x^2 + 3x + 1$; $f(7)$ =

71

03 $f(x) = 10x - 3$. Find $f^{-1}(x)$ =

$f^{-1}(x) = (x + 3) / 10$

04 $f(x) = x^2 - 5x + 6$; $f(5)$ =

6

05 $f(x) = 8x - 6$. Find $f^{-1}(x)$ =

$f^{-1}(x) = (x + 6) / 8$

06 $f(x) = (x - 5)^2 + 3$. Find $f^{-1}(x)$ =

$f^{-1}(x) = 5 \pm \sqrt{(x - 3)}$