

## Function Table

MS3

Complete each function table.

1)  $f(x) = -3x^2 - \frac{9}{2}x - \frac{1}{6}$

$x$	$-\frac{5}{4}$	$-1$	$-\frac{3}{4}$	$-\frac{1}{2}$	$-\frac{1}{4}$
$f(x)$					

2)  $f(x) = \frac{7}{2}x^2 + 14x - 1$

$x$	$-4$	$-3$	$-2$	$-1$	$0$
$f(x)$					

3)  $f(x) = \frac{8}{3}x^2 - \frac{4}{3}x$

$x$	$-\frac{1}{4}$	$0$
$f(x)$		

$x^2 + 8x + 10$

$\frac{1}{2}$	$1$	$\frac{3}{2}$	$2$

5)  $f(x) = -6x^2 + \frac{8}{3}x$

$x$	$0$	$\frac{1}{9}$
$f(x)$		

$x^2 + x + \frac{1}{4}$

$-6$	$-5$	$-4$	$-3$

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7)  $f(x) = 2x^2 - 2x - \frac{5}{7}$

$x$	$-\frac{1}{2}$	$0$	$\frac{1}{2}$	$1$	$\frac{3}{2}$
$f(x)$					

8)  $f(x) = -\frac{2}{5}x^2 + \frac{3}{2}$

$x$	$-2$	$-1$	$0$	$1$	$2$
$f(x)$					

**Answer key****Function Table**

MS3

Complete each function table.

1)  $f(x) = -3x^2 - \frac{9}{2}x - \frac{1}{6}$

$x$	$-\frac{5}{4}$	$-1$	$-\frac{3}{4}$	$-\frac{1}{2}$	$-\frac{1}{4}$
$f(x)$	$\frac{37}{48}$	$\frac{4}{3}$	$\frac{73}{24}$	$\frac{4}{3}$	$\frac{37}{48}$

2)  $f(x) = \frac{7}{2}x^2 + 14x - 1$

$x$	$-4$	$-3$	$-2$	$-1$	$0$
$f(x)$	$-1$	$-\frac{23}{2}$	$-15$	$-\frac{23}{2}$	$-1$

3)  $f(x) = \frac{8}{3}x^2 - \frac{4}{3}x$

$x$	$-\frac{1}{4}$	$0$
$f(x)$	$\frac{11}{2}$	$5$

$x^2 + 8x + 10$

$x$	$\frac{1}{2}$	$1$	$\frac{3}{2}$	$2$
$f(x)$	$13$	$14$	$13$	$10$

5)  $f(x) = -6x^2 + \frac{8}{3}x$

$x$	$0$	$\frac{1}{9}$
$f(x)$	$-2$	$-\frac{16}{9}$

$x^2 + x + \frac{1}{4}$

$x$	$-6$	$-5$	$-4$	$-3$
$f(x)$	$-\frac{43}{20}$	$-\frac{9}{4}$	$-\frac{43}{20}$	$-\frac{37}{20}$

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7)  $f(x) = 2x^2 - 2x - \frac{5}{7}$

$x$	$-\frac{1}{2}$	$0$	$\frac{1}{2}$	$1$	$\frac{3}{2}$
$f(x)$	$\frac{11}{14}$	$-\frac{5}{7}$	$-\frac{17}{14}$	$-\frac{5}{7}$	$\frac{11}{14}$

8)  $f(x) = -\frac{2}{5}x^2 + \frac{3}{2}$

$x$	$-2$	$-1$	$0$	$1$	$2$
$f(x)$	$-\frac{1}{10}$	$\frac{11}{10}$	$\frac{3}{2}$	$\frac{11}{10}$	$-\frac{1}{10}$