

# Find a particular value of $f(x)$

Maths

Mrs Dennett



# Find a particular value of $f(x)$

1.  $f(x) = 3x$

Find the values of the following.

a)  $f(4)$

b)  $f(13)$

c)  $f(-2)$

d)  $f(4.5)$

e)  $f\left(\frac{2}{3}\right)$

f)  $f(3x)$

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

Find the values of the following.

a)  $f(7)$

b)  $f(24)$

c)  $f(-4)$

d)  $f(6.5)$

e)  $f\left(\frac{3}{5}\right)$

f)  $f(x + 6)$



## Find a particular value of $f(x)$

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

Find the values of the following.

a)  $f(7)$

b)  $f(18)$

c)  $f(-7)$

d)  $f(8.5)$

e)  $f\left(\frac{3}{8}\right)$

f)  $f(4x)$

4.  $f(x) = x^2 - 4x + 3$

Find the values of the following.

a)  $f(3)$

b)  $f(12)$

c)  $f(-4)$

d)  $f(2.5)$

e)  $f\left(\frac{7}{4}\right)$

f)  $f(3x)$



# Answers



# Find a particular value of $f(x)$

1.  $f(x) = 3x$

Find the values of the following.

a)  $f(4) = 12$

b)  $f(13) = 39$

c)  $f(-2) = -6$

d)  $f(4.5) = 13.5$

e)  $f\left(\frac{2}{3}\right) = 2$

f)  $f(3x) = 9x$

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

Find the values of the following.

a)  $f(7) = 32$

b)  $f(24) = 117$

c)  $f(-4) = -23$

d)  $f(6.5) = 29.5$

e)  $f\left(\frac{3}{5}\right) = 0$

f)  $f(x + 6) = 5x + 27$



## Find a particular value of $f(x)$

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

Find the values of the following.

a)  $f(7) = 98$

b)  $f(18) = 648$

c)  $f(-7) = 98$

d)  $f(8.5) = 144.5$

e)  $f\left(\frac{3}{8}\right) = \frac{9}{32}$

f)  $f(4x) = 32x^2$

4.  $f(x) = x^2 - 4x + 3$

Find the values of the following.

a)  $f(3) = 0$

b)  $f(12) = 99$

c)  $f(-4) = 35$

d)  $f(2.5) = -0.75$

e)  $f\left(\frac{7}{4}\right) = -\frac{15}{16}$

f)  $f(3x) = 9x^2 - 12x + 3$

