

Composition of Three Functions

ES2

Choose the correct choice that best describes $f \circ (g \circ h)$.

1) $f(x) = 4x+8$; $g(x) = 2x+3$; $h(x)=x-12$.

- a) $8x-8$
- b) $8x+7$
- c) $8x-76$
- d) $8x+8$

2) $f(x) = x-4$; $g(x) = 3x-2$; $h(x)=7-x$.

- a) $-3x+15$
- b) $-3x+21$
- c) $-3x+13$
- d) $-3x-12$

3) $f(x) = 10+x$; $g(x) = 9-2x$; $h(x)=3x+7$.

- a) $-6x+64$
- b) $-6x+5$
- c) $-6x+26$
- d) $-6x-7$

4) $f(x) = x-5$; $g(x) = x-4$; $h(x)=x-6$.

5) $f(x) = 8x+7$; $g(x) = 4$

- a) $192x-65$
- b) $192x+136$
- c) $192x+191$
- d) $192x-191$

7) $f(x) = 3x-4$; $g(x) = 1-$

- a) $3x-4$
- b) $-3x+3$
- c) $-3x-13$
- d) $3x-9$

9) $f(x) = 3-8x$; $g(x) = 2x+1$; $h(x)=x-6$.

- a) $-16x+59$
- b) $-16x+91$
- c) $-16x+1$
- d) $-16x-11$

10) $f(x) = 11x-2$; $g(x) = x-3$; $h(x)=x+5$.

- a) $11x-30$
- b) $11x$
- c) $11x+20$
- d) $-11x-5$

PREVIEW

Access the largest collection of
worksheets for just **\$19.95** per year!

Members, please
log in to
download this
worksheet.

Log in

Not a member?
Please sign up to
gain complete
access.

Sign up

www.mathworksheets4kids.com

7-2x; $h(x)=x+11$.

6x; $h(x)=2x+7$.

d) $108x+337$

Answer key

Composition of Three Functions

ES2

Choose the correct choice that best describes $f \circ (g \circ h)$.

1) $f(x) = 4x+8$; $g(x) = 2x+3$; $h(x)=x-12$.

- a) $8x-8$
 b) $8x+7$
c) $8x-76$
 d) $8x+8$

2) $f(x) = x-4$; $g(x) = 3x-2$; $h(x)=7-x$.

- a) $-3x+15$**
 b) $-3x+21$
 c) $-3x+13$
 d) $-3x-12$

3) $f(x) = 10+x$; $g(x) = 9-2x$; $h(x)=3x+7$.

- a) $-6x+64$
b) $-6x+5$
 c) $-6x+26$
 d) $-6x-7$

4) $f(x) = x-5$; $g(x) = x-4$; $h(x)=x-6$.

5) $f(x) = 8x+7$; $g(x) = 4$

- a) $192x-65$**
 b) $192x+136$
 c) $192x+191$
 d) $192x-191$

7) $f(x) = 3x-4$; $g(x) = 1-$

- a) $3x-4$
 b) $-3x+3$
c) $-3x-13$
 d) $3x-9$

PREVIEW

Access the largest collection of
worksheets for just **\$19.95** per year!

Members, please
log in to
download this
worksheet.

Log in

Not a member?
Please sign up to
gain complete
access.

Sign up

www.mathworksheets4kids.com

7-2x; $h(x)=x+11$.

6x; $h(x)=2x+7$.

d) $108x+337$

9) $f(x) = 3-8x$; $g(x) = 2x+1$; $h(x)=x-6$.

- a) $-16x+59$
b) $-16x+91$
 c) $-16x+1$
 d) $-16x-11$

10) $f(x) = 11x-2$; $g(x) = x-3$; $h(x)=x+5$.

- a) $11x-30$
 b) $11x$
c) $11x+20$
 d) $-11x-5$