

Compose two functions

- 1** What part of this composite function is $d(x)$?
given $d(c(x))$

$d(x)$ is the ?

- A first function
B second function

- 2** What part of this composite function is $d(x)$?
given $d(m(x))$

$d(x)$ is the ?

- A inner function
B outer function

- 3** What part of this composite function is $y(x)$?
given $y(r(x))$

$y(x)$ is the ?

- A input function
B output function

- 4** What part of this composite function is the
second function?
given $n(c(x))$

second function is?

A

$n(x)$

B

$c(x)$

- 5** What part of this composite function is the
outer function?
given $r(d(x))$

outer function is?

A

$d(x)$

B

$r(x)$

- 6** Find the composite function of $d(z(x))$?
given:

$$d(x) = \frac{4}{-5x}$$

$$z(x) = 5 \cdot x + 2$$

$$d(z(x)) = ?$$

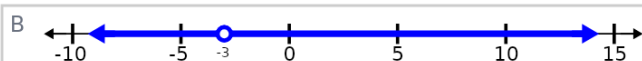
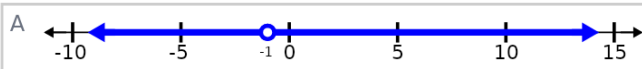
A

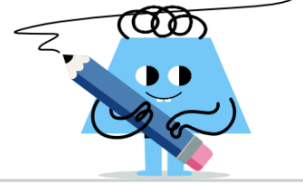
$$d(z(x)) = 5 \cdot \left(\frac{4}{-5x} \right) + 2$$

B

$$d(z(x)) = \frac{4}{-5(5 \cdot x + 2)}$$

- 7** Which number line shows the domain of this function
composition?





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Which set describes the domain of this function composition?

A $\{X \in \mathbb{R} | X \leq -2 \text{ or } -2 < X\}$

B $\{X \in \mathbb{R} | X < -2 \text{ or } -2 < X\}$

9

Which set describes the domain of this function composition?

A $\{X \in \mathbb{R} | -11 < X < 11 \text{ or } 2 \leq X\}$

B $\{X \in \mathbb{R} | X < -11 \text{ or } 2 < X\}$

10

Which number line shows the domain of this function composition?

**11**

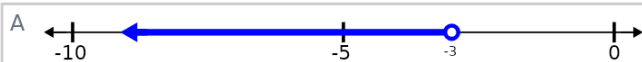
Which set describes the domain of this function composition?

A $\{X \in \mathbb{R} | 3 < X\}$

B $\{X \in \mathbb{R} | 3 \leq X\}$

12

Which number line shows the domain of this function composition?

**13**

Which set describes the domain of this function composition?

A $\{X \in \mathbb{R} | X \leq 5\}$

B $\{X \in \mathbb{R} | 5 \leq X\}$

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Which number line shows the domain of this function composition?

