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Lesson 4-6a Homework Practice: *Relations/Functions*

Identify the domain and range of each relation. Use a mapping diagram to determine whether the relation is a function.

1. $\{(3, 6), (5, 7), (7, 7)(8, 9)\}$

2. $\{(0, 0.4), (1, 0.8), (2, 1.2), (3, 1.6)\}$

3. $\{(5, -4), (3, -5), (4, -3), (6, 4)\}$

4. $\{(0.3, 0.6), (0.4, 0.8), (0.3, 0.7), (0.5, 0.5)\}$

State the domain and range for each function, the determine if it is a function by writing *"yes"* or *"no"*

X	0	8	-2	6
Y	7	-2	8	1

Function:

Yes/No

Domain: _____

Range:_____

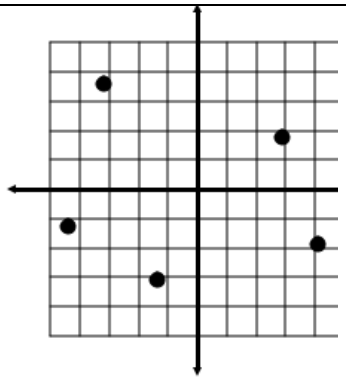
X	4	3	4	6
Y	6	-1	2	6

Function:

Yes/No

Domain: _____

Range:_____



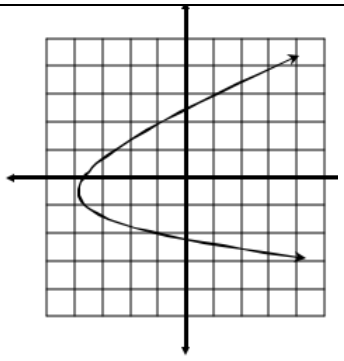
Domain:

_____

Range:

_____

Function: Yes/No



Domain:

_____

Range:

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Function: Yes/No

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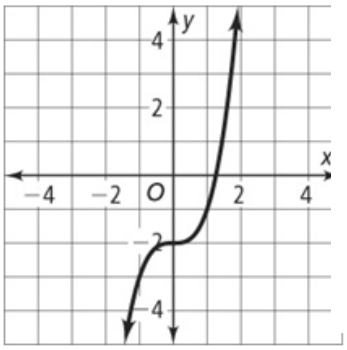

Domain:

_____

Range:

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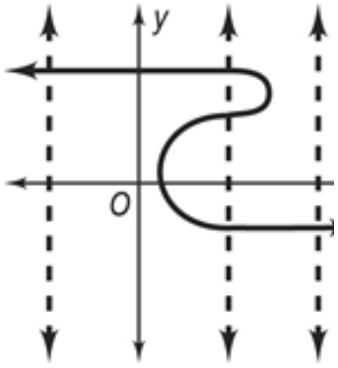
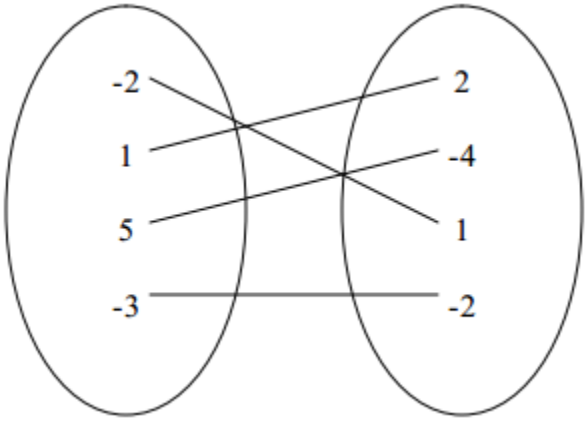
Function: Yes/No



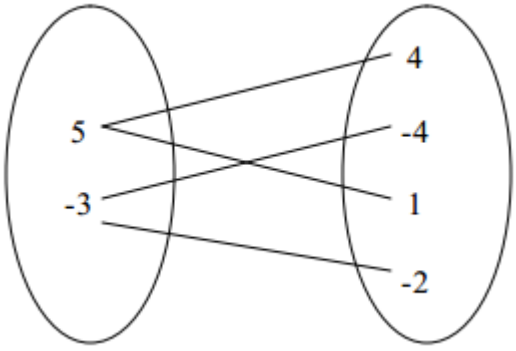
Function: Yes/No



Domain:_____

Range:_____

Function: Yes/No



Domain:_____

Range:_____

Function: Yes/No

Common Core Spiral Review

Which equation illustrates the multiplicative identity element?

1) $x+0=x$
2) $x-x=0$
3) $x\cdot\frac{1}{x}=1$
4) $x\cdot 1=x$

Which equation is an example of the use of the associative property of addition?

1) $x+7=7+x$
2) $3(x+y)=3x+3y$
3) $(x+y)+3=x+(y+3)$
4) $3+(x+y)=(x+y)+3$

Which equation is an illustration of the additive identity property?

1) $x\cdot 1=x$
2) $x+0=x$
3) $x-x=0$
4) $x\cdot\frac{1}{x}=1$

Which equation illustrates the distributive property for real numbers?

1) $\frac{1}{3}+\frac{1}{2}=\frac{1}{2}+\frac{1}{3}$
2) $\sqrt{3}+0=\sqrt{3}$
3) $(1.3\times 0.07)\times 0.63=1.3\times(0.07\times 0.63)$
4) $-3(5+7)=(-3)(5)+(-3)(7)$

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