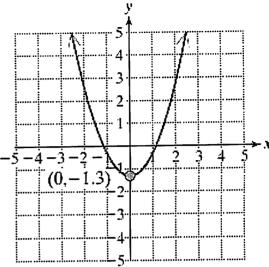
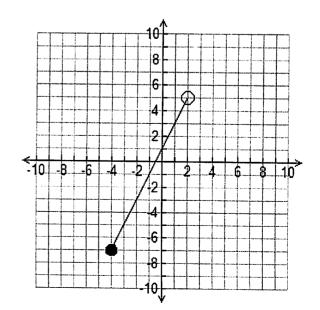
PRACTICE

1. Write the domain and range of the relation in set builder notation. Is it a function? Explain.

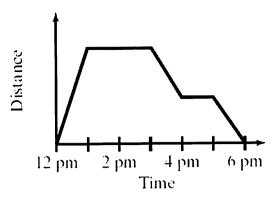


2. The function g has a domain of {-10, -5, 5, 15, 25} and a range of {3, 9, 11}. Could g be represented by {(-10, 3), (-5, 3), (5, 3), (15, 9), (25, 11)}? Justify your answer.

3. Write the domain and range for the linear function in interval notation.

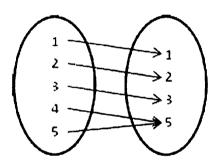


4. Write a situation for the given graph.

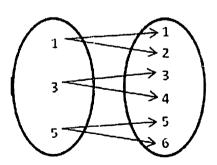


5. For which relation is the range $\{1, 2, 3, 4, 5\}$?

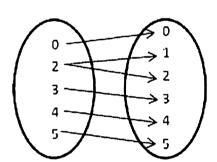
a.



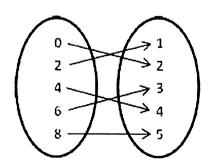
c.



b.



d.



DAILY REVIEW

1.	A seamstress opens a dress shop. Her fixed costs are \$5000 per month, and it costs her \$25 to make a
	dress. If the price of each dress is \$150, what is the <i>minimum</i> number of dresses she has to sell per
	month to make a profit of \$3000?

Solve each of the equations for the indicated variable.

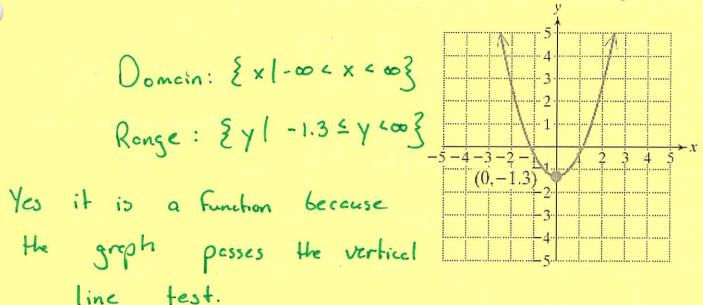
$$2. \quad \frac{x+y}{3} = 5 \text{ for } y$$

3.
$$y = xyz - 5b$$
 for b

4.
$$2x - 3y = 8$$
 for x

PRACTICE

1. Write the domain and range of the relation in set builder notation. Is it a function? Explain.

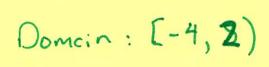


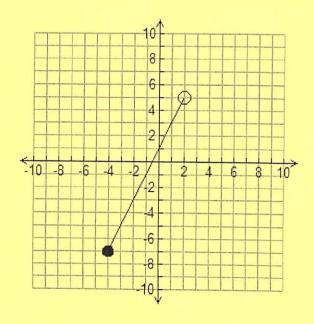
2. The function g has a domain of {-10, -5, 5, 15, 25} and a range of {3, 9, 11}. Could g be represented by {(-10, 3), (-5, 3), (5, 3), (15, 9), (25, 11)}? Justify your answer.

Yes. The relation is a function because each input has exactly one output.

All domain and range values are used from the list.

3. Write the domain and range for the linear function in interval notation.





4. Write a situation for the given graph.

Jesse walked at a constant speed

away from this house to the store. Description

He then spent 2 hours at the Description

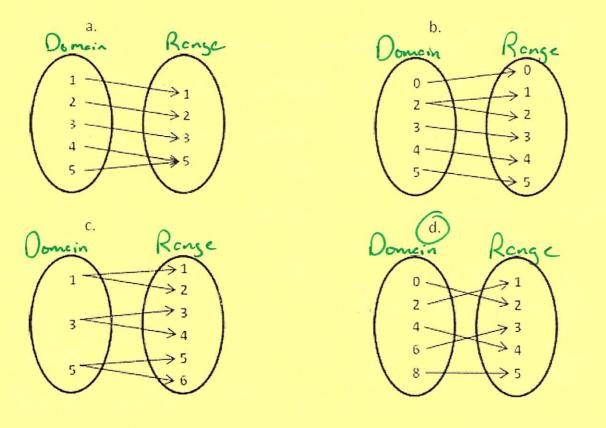
Store stering a constant distance from 12 pm 2 pm 4 pm 6 pm

Where he storted. At 3 PM, Jesse began Time

Walking home. He stopped for an hour lunch and

then continued the rest of the way home

5. For which relation is the range $\{1, 2, 3, 4, 5\}$?



DAILY REVIEW

1. A seamstress opens a dress shop. Her fixed costs are \$5000 per month, and it costs her \$25 to make a dress. If the price of each dress is \$150, what is the minimum number of dresses she has to sell per month to make a profit of \$3000? Let d = # of

dresses sold

Solve each of the equations for the indicated variable.

$$2) \frac{x+y}{3} = 5 \text{ for } y$$

$$3. y = xyz - 5b \text{ for } b$$

$$\frac{1}{\sqrt{-x}} = \frac{-5}{-5}$$

$$\frac{44xy-xy^2}{-5}=b$$

$$\begin{array}{c}
4. & 2x - 3y = 8 & \text{for } x \\
 & + 3y + 3y
\end{array}$$