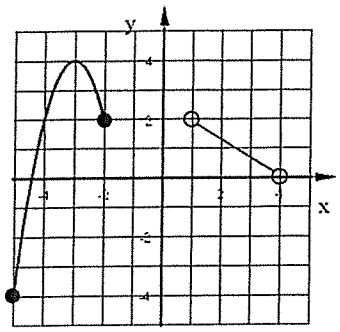
Algebra 2 Bellwork Thursday, March 10, 2016

1. Find the domain and range of the relation shown below:



Solve each equation for the indicated variable.

2. Solve for A

$$R = \left(\frac{XA+N}{H}\right)^2 - P$$

$A =$

3. Solve for K

$$E = M \cdot \sqrt[6]{(TK-G)^3 + V} - D$$

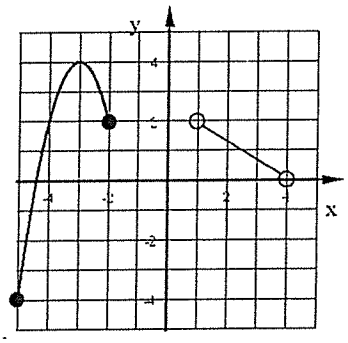
$K =$

4. Is the inverse relation of each a function?

a) $y = x^3 + 12x^2 + 44x + 48$ b) $y = 2^x$

Algebra 2 Bellwork Thursday, March 10, 2016 Answers

1. Find the domain and range of the relation shown below:



Domain $-5 \le x \le -2, \quad 1 < x < 4$

Range $-4 \le y \le 4$

Solve each equation for the indicated variable.

2. Solve for A

$$R = \left(\frac{XA+N}{H}\right)^2 - P$$

$$A = \frac{\left(\pm\sqrt{R+P}\right)H - N}{X}$$

3. Solve for K

$$E = M \cdot \sqrt[6]{(TK-G)^3 + V} - D$$

$$K = \frac{\sqrt[3]{\left(\frac{E+D}{M}\right)^6 - V} + G}{T}$$

4. Is the inverse relation of each a function?

a) $y = x^3 + 12x^2 + 44x + 48$ b) $y = 2^x$

NO Yes