

Homework Answers

pg 86 - 88:  $\frac{-16.25 - 4}{-16.25 + 3}$

2. yes  
4. no, 1 maps to 4 & 6  
6. yes  
8. yes  
20. no, 5 maps to 0 & -1  
3 maps to -1 & -2  
D: {5, 3, 0}  
R: {0, -1, -2}

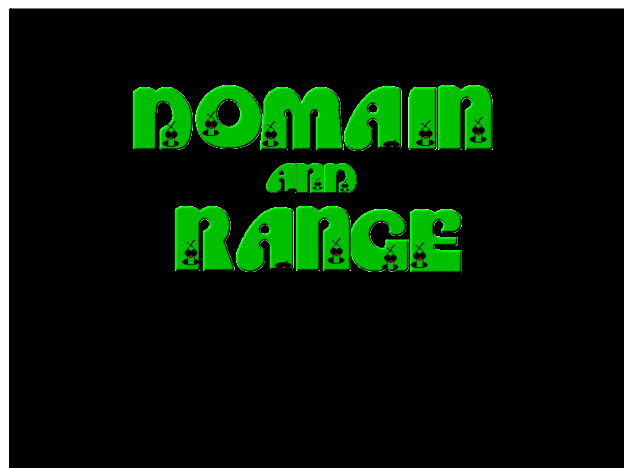
22.  $f(-4) = 3$ ;  $f(0) = 3$ ;  $f(3) = 3$   
24.  $g(-4) = 3/2$ ;  $g(-1) = -3$ ;  $g(0) = -5/2$   
26.  $g(-2) = 4$ ;  $g(0) = -4$ ;  $g(2.4) = -2.6176$

28. a. 0  
b. 1  
c. 57  
29. a. 8  
b. -8  
c.  $-x^3$

d.  $5t^2 + 4t$   
e.  $5t^2 - 6t + 1$   
d.  $27y^3$   
e.  $8 + 12h + 6h^2 + h^3$   
d.  $81/53$   
e.  $\frac{x+h-4}{x+h+3}$

31. a.  $1/8$   
b. 0  
c. dne

Sep 8-5:21 PM



Aug 26-7:33 PM

Graph each of the following. Show a table of at least 5 values. State domain and range.

1.  $y = |x| + 1$

| x  | y |
|----|---|
| -2 | 3 |
| -1 | 2 |
| 0  | 1 |
| 1  | 2 |
| 2  | 3 |

D:  $(-\infty, \infty)$   
R:  $[1, \infty)$

Aug 26-7:35 PM

2.  $f(x) = \frac{4}{2x+1}$

$2x+1=0$   
 $x = -\frac{1}{2}$

D:  $(-\infty, -\frac{1}{2}) \cup (-\frac{1}{2}, \infty)$   
R:  $(-\infty, 0) \cup (0, \infty)$

Aug 26-7:43 PM

3.  $y = \sqrt{x-7}$

| x  | y |
|----|---|
| 7  | 0 |
| 8  | 1 |
| 9  | 2 |
| 10 | 3 |
| 11 | 4 |

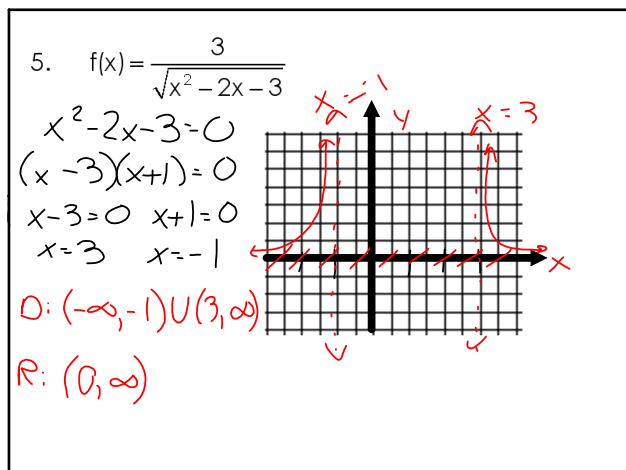
D:  $[7, \infty)$   
R:  $[0, \infty)$

Aug 26-7:42 PM

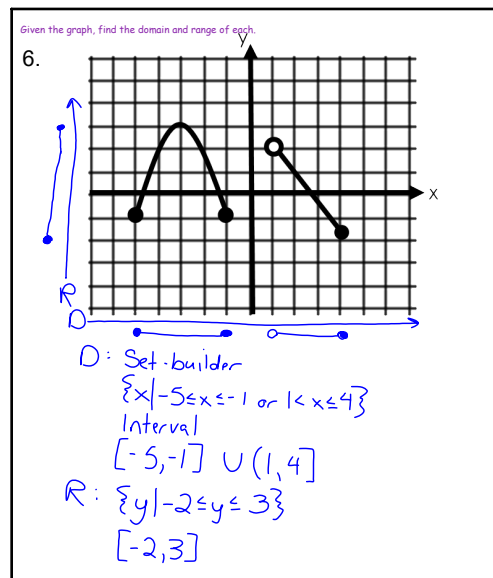
4.  $y = \frac{2}{\sqrt{x}-1}$

D:  $(1, \infty)$   
R:  $(0, \infty)$

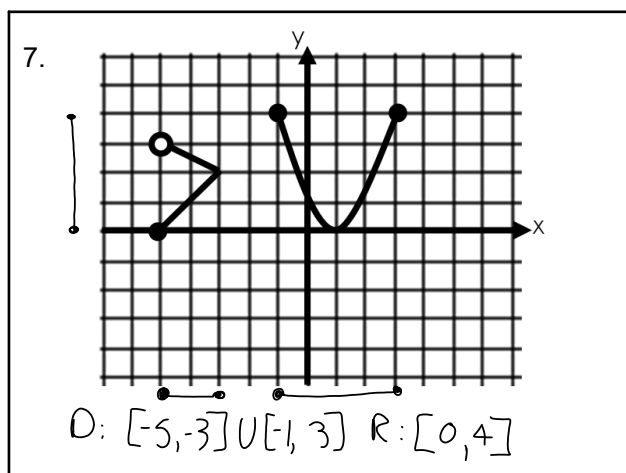
Aug 26-7:43 PM



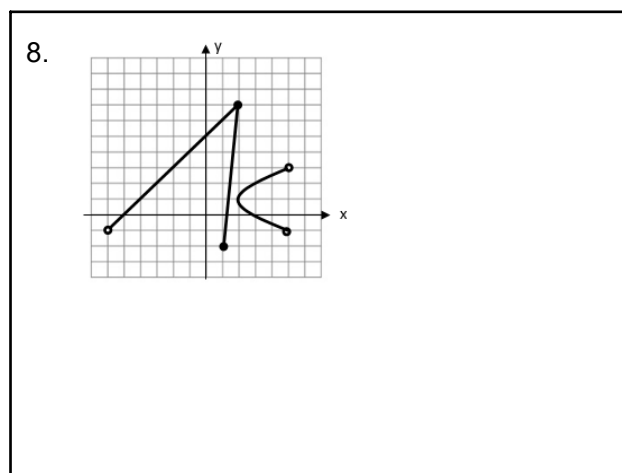
Aug 26-7:43 PM



Aug 26-7:44 PM



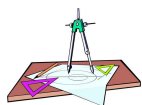
Aug 26-7:45 PM



Aug 26-7:45 PM

Homework: Ditto

QUIZ Friday!



Sep 21-7:59 AM

Sep 7-7:41 AM