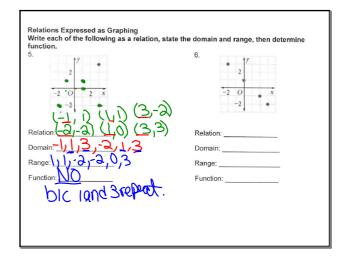
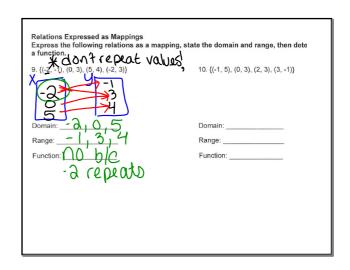


Relations Expressed as Ordered Pairs Determine if the following relations are functions. Then state the domain and range.		
1. {(1, -2), (-2, 0), (-1, 2), (1, 3)}	2. {(1, 1), (2, 2), (3, 5), (4, 10), (5, 15)}	
Function: NO X repeats!	Function:	
Domain: 1,-2,-1	Domain:	
Range: $-2,0,2,3$	Range:	
$3. \left\{ \left(17, \frac{15}{4}\right), \left(\frac{15}{4}, 17\right), \left(15, \frac{17}{4}\right), \left(\frac{17}{4}, 15\right) \right\}$	$4.\left\{ \left(-3,\frac{2}{5}\right), \left(-3,\frac{3}{5}\right), \left(\frac{3}{2},-5\right), \left(5,\frac{2}{5}\right) \right\}$	
Function:	Function:	
Domain:	Domain:	
Range:	Range:	



7. •2 • • • • • • • • • • • • • • • • • •	8.
Relation:	Relation:
Domain:	Domain:
Range:	Range:
Function:	Function:



11. {(-1, 7), (0, -3), (1, 10), (0, 7)}	12. $\left\{ \left(\frac{1}{2},2\right), \left(\frac{1}{4},2\right), \left(\frac{1}{8},2\right), \left(\frac{-1}{2},2\right) \right\}$
Domain:	Domain:
Range:	Range:
Function:	Function: