

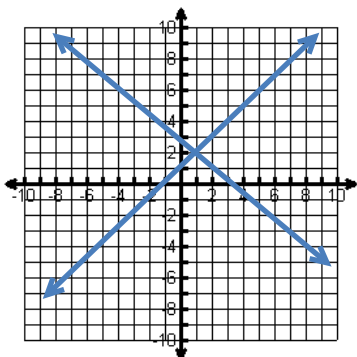
Unit 2 Test Review

Study your properties! Give an example of each of the following:

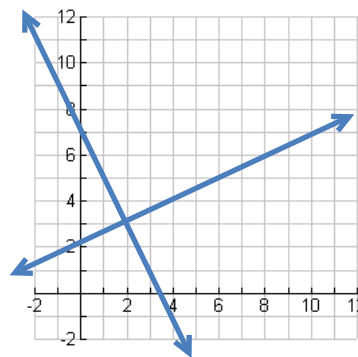
Commutative: $x + y = y + x$ Associative: $(2+4)+6 = 2+(4+6)$ Distributive: $2(x+4)=2x+8$ Additive or Multiplicative Inverse: $a + -a = 0$ Additive or Multiplicative Identity: $22b \times 1 = 22b$

Find the solution of the linear system graphically. Write your solution in the blank provided.

$-(1, 2)$ 1. $y = -x + 3$
 $y = x + 1$



$-(2, 3)$ 2. $y = -2x + 7$
 $-3x + 6y = 12$



Use substitution to solve the linear system. SHOW ALL WORK and write your solution in the space provided.

$-(2, 2)$ 3. $y = 2x - 2$
 $6x + 2y = 16$

$-(2, -2)$ 4. $4x - y = -6$
 $y = 2x + 2$

Use elimination to solve the linear system. SHOW ALL WORK and write your solution in the space provided.

$-(2, 1)$ 5. $5x - 3y = 7$
 $x + 3y = 5$

$-(1, -2)$ 6. $-3x + 3y = -9$
 $6x + 2y = 2$

Use any method to solve the linear system. SHOW ALL WORK and write your solution in the space provided.

No Solution 7. $6x - 9y = 18$
 $2x - 3y = 10$

