Unit 4 REVIEW PACKET

1. Which of these expressions is equivalent to $3(x-2)$?
	1. $3x-6$
	2. $3x-2$
	3. $3x+2$
	4. $3x+6$
2. Which of these expressions is equivalent to $-2(x-5)$?
	1. $-2x-5$
	2. $-2x+5$
	3. $-2x+10$
	4. $-2x-10$
3. For each expression, combine like terms and write an equivalent expression with fewer terms.
	1. $4x+3x$
	2. $3x+5x-1$
	3. $5+2x+7+4x$
	4. $4-2x+5x$
	5. $10x-5+3x-2$
4. For each equation, find a value for $x$ that makes the equation true.
	1. $x÷3=12$
	2. $2x+3=20$
	3. $\frac{4}{3}x=\frac{10}{3}$
	4. $-4x=-24$
	5. $2(x-4)=10$
	6. $–0.5x+1.1=-2.9$
5. For each equation, determine if $x=2$ is a solution. Explain or show your reasoning.
	1. $-2(x-4)=4$
	2. $\frac{26}{x}=13$
	3. $-3.8x=-7.4$
	4. $4(x-1)-3(x-2)=-8$
6. Solve the following equations using the equal Value, substitution or elimination Method
	* 1. y = -x – 6

y = x – 4

1. y = 3x – 2

x – y = 4

1. y = 2x – 10

y = 4x – 8

1. 4x + 3y = -5

-2x + 2y = 6

1. 5x + 4y = -7

-5x – 2y = 1

1. 2y = 2x + 12

y = -2x – 3