Keview

Unit 6: Linear Equations and Graphing

- Solve for an unknown:
- a) 5x + 4 = 44
- 2. Solve for an unknown a) $13 = 3x 2^{-12}$
- 15 = 3z
- 3. Solve algebraically and verify
- a) 12b + 21 = 93 21
- 3. Expand.
- a) 5(x+6)
- b) 7(5 e)= 35 7e

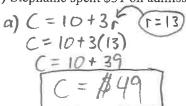
- d) -4(6-e) e) 8(-2n+4)= -24+40 = -160+32

- 4. Solve each equation using distributive property. Verify the solution.
- 1) 4(p-6) = -4
- b) 10(y+3) = 10 10y+30 = 10 10y = -20
- 5. Create a table of values from -3 to 3 6. Identify the linear rule that matches a graph Does this graph represent
 - for y = 2x 5=2(-3)-5=-6-5=-11= 2(-2)-5=-4-5=-9= 2(-1)-5=-2-5=-7
- y = 5x 1 OR y = -6x + 1
- 7. The equation of a linear relation is: y = 3x + 8. Some ordered pairs in the relation are: (-1, 11), (0, 8), (1, 5), (2, 2), (3, -1), (4, -1) Find the missing numbers in the ordered pairs.
- 8. Can you solve linear word problems?

The cost of admission to a fair is \$10, plus \$3 per ride. An equation for this relation is C = 10 + 3r, where r represents the number of rides a person goes on, and C represents the total cost of admission and

- a) Harvey went on 13 rides. How much did Harvey spend on admission and rides?
- b) Stephanie spent \$31 on admission and rides. How many rides did Stephanie go on?

 (a) C = 10 + 3(b) C = 10 + 3(c) C = 10 + 3(d) C = 10 + 3



6) C= 10+3r

