Kuta Software - Infinite Algebra 1

Name_____

Date_____ Period____

Using the Distributive Property

Simplify each expression.

1) $-6(a+8)$

2) $4(1+9x)$

3) $6(-5n+7)$

4) $(9m+10)\cdot 2$

5) $(-4-3n)\cdot -8$

6) $8(-b-4)$

7) $(1-7n)\cdot 5$

8) $-6(x+4)$

9) $5(3m-6)$

10) $(-6p+7)\cdot -4$

11) $5(b-1)$

12) $(x+9)\cdot 5$

13) $-4(-8x-8)$

14) $-6(7+x)$

15) $-3(x-5)$

16) $-5(10x+1)$

17) $(1+2v)\cdot 5$

18) $-8(1-5x)$

19) $-7(5k-4)$

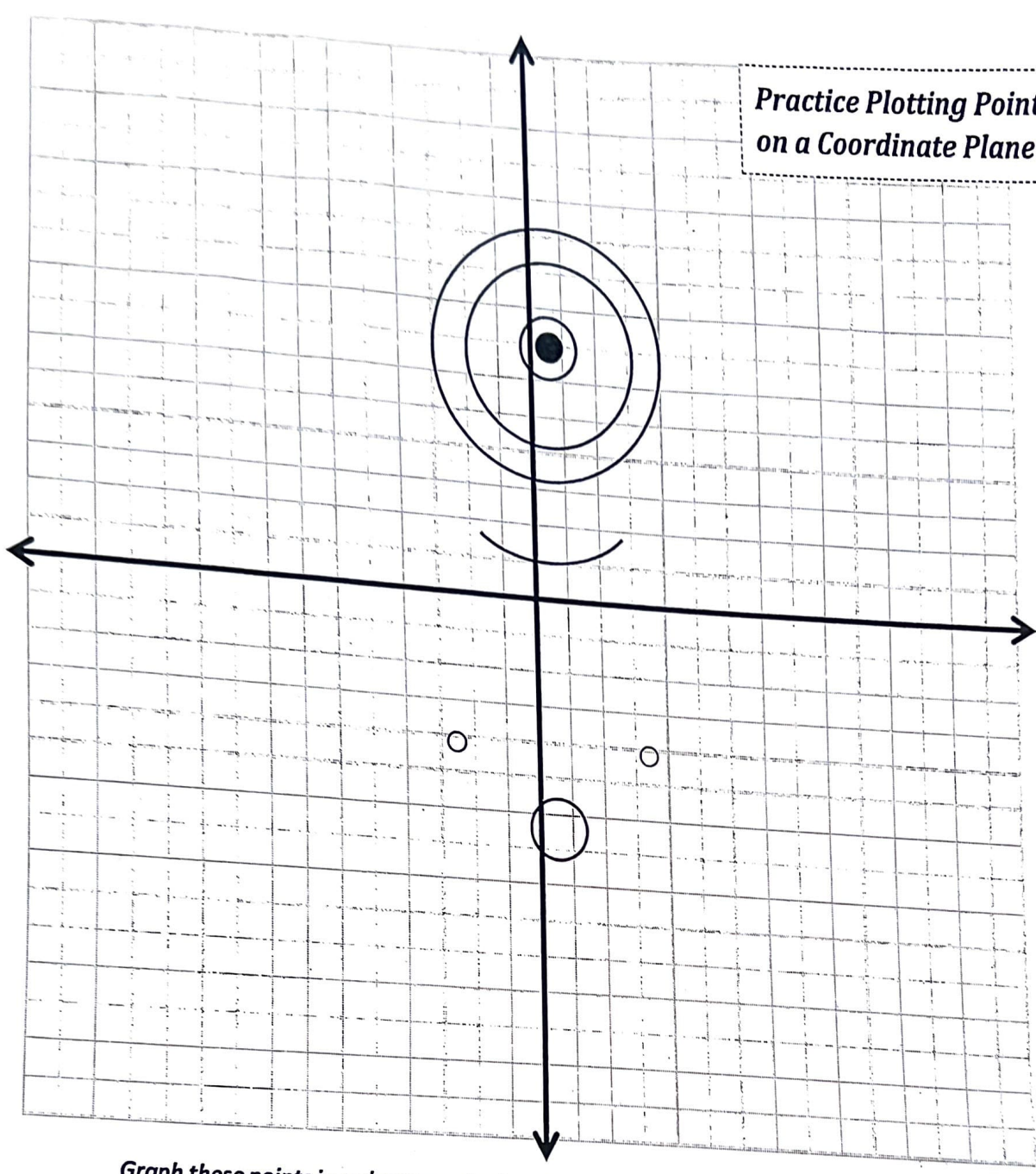
20) $-5(7a-6)$

21) $5(n+6)$

22) $4(3r-8)$

23) $3(5+5x)$

24) $(1+9x)\cdot -10$



Practice Plotting Points on a Coordinate Plane

Graph these points in order to create the picture of a much-beloved fictional character.

Shape 1:
(4, 6)
(6, 6)
(6, 7)
(4, 7)
STOP

Shape 2:
(-3, 7)
(-5, 7)
(-5, 6)
(-3, 6)
STOP

Shape 3:
(6, -2)
(3, -4)
(3, -5)
(6, -3)
(7, -8)
(7, -9)
(8, -11)
(7, -12)
(6, -12)
(5, -11)
(6, -11)
(6, -9)
(7, -9)
STOP

Shape 4:
(-5, -2)
(-2, -4)
(-2, -5)
(-5, -3)
(-5, -4)
(-6, -6)
(-6, -13)
(-4, -13)
(-3, -12)
(-4, -11)
(-5, -11)
(-5, -10)
(-6, -10)
STOP

Shape 5:
(3, -13)
(-2, -13)
(-2, -14)
(0, -14)
(1, -13)
(1, -11)
(1, -13)
(2, -14)
(4, -14)
(4, -13)
(3, -13)
(3, -12)
(5, -10)
(6, -8)
(6, -7)
(4, -8)
(4, -3)
(2, -4)
(-1, -4)
(-3, -3)
(-3, -8)
(-5, -7)
(-4, -10)
(-2, -11)
(-1, -13)
STOP

Shape 6:
(-5, -10)
(-5, 7)
(-4, 10)
(-3, 11)
(-1, 12)
(2, 12)
(4, 11)
(5, 10)
(6, 8)
(6, -7)
STOP