Spiral #15 **DUE: 5/6** Name: _____

1. Simplify:

$n - 10 + 9n - 3$

$N + 9n - 10 - 3$

$10n - 13$

2. Simplify:

$12r + 5 + 3r - 5$

3. SImplify:

$9(10x + 11y + 3)$

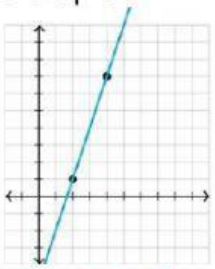
$9 \cdot 10x + 9 \cdot 11y + 9 \cdot 3$

$90x + 99y + 27$

4. Simplify:

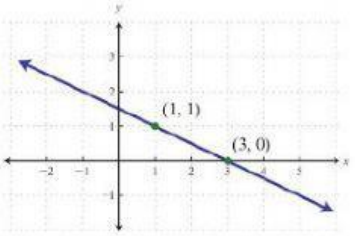
$11(-5y + 3z - 7)$

5. Find the slope.



$m = \frac{rise}{run}$ $m = \frac{6}{2}$ $m = 3$

6. Find the slope of the line.



7. Solve: Use PEMDAS

$3 - 2 \times 14 \div 7$

$3 - 28 \div 7$

$3 - 4$

-1

8. Solve:

$(39 - 3) \div 18 + 5^2$

9. Solve for x:

$x^2 = 36$

$\sqrt{x^2} = \sqrt{36}$

$X = 6$

10 Solve for x:

$x^2 = 81$

11. Simplify:

$\sqrt{5^2} = \sqrt{25} = 5$ $\sqrt{3^2} = \sqrt{9} = 3$

12. Simplify:

$\sqrt{7^2} =$ $\sqrt{9^2} =$

Spiral #15

DUE: 5/6

Name: _____

13) A subway token has a <u>radius</u> of 1 cm. What is the token's circumference? $C = 2\pi r$ $C = 2 \cdot 3.14 \cdot 1$ $C = 6.28\ cm$	14) A kitchen table has a <u>diameter</u> of 5 feet. What is the table's circumference?
15. Simplify to the nearest whole number. $\sqrt{18}$ $\sqrt{16}\quad\sqrt{25}$ $4\quad 5$ 4 (because 16 is closer to 18)	16. Simplify to the nearest whole number. $\sqrt{35}$
17. What is 20 % of 180? $0.20 \times 180 = 36$ or $\frac{is}{of} = \frac{\%}{100} \Rightarrow \frac{x}{180} = \frac{20}{100}$ $100x = 3600$ $\frac{100x}{100} = \frac{3600}{100}$ $X = 36$	18. What is 15% of 200?
19. What is 1/3 of 270? $\frac{1}{3} = \frac{x}{270} \Rightarrow 3x = 270$ $\frac{3x}{3} = \frac{270}{3} \Rightarrow x = 90$	20. What is ¼ of 480?

Spiral #15 DUE: 5/6 Name: _____