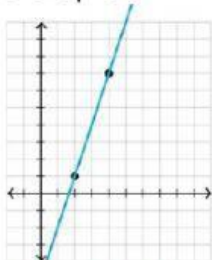
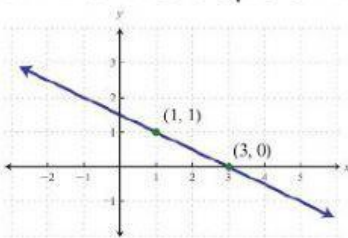


1. Simplify: $n - 10 + 9n - 3$ $N + 9n - 10 - 3$ $10n - 13$	2. Simplify: $12r + 5 + 3r - 5$
3. Simplify: $9(10x + 11y + 3)$ $9 \cdot 10x + 9 \cdot 11y + 9 \cdot 3$ $90x + 99y + 27$	4. Simplify: $11(-5y + 3z - 7)$
5. Find the slope.  $m = \frac{\text{rise}}{\text{run}} \quad m = \frac{6}{2} \quad m = 3$	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: $\sqrt{5^2} = \sqrt{25} = 5 \quad \sqrt{3^2} = \sqrt{9} = 3$	12. Simplify: $\sqrt{7^2} = \quad \sqrt{9^2} =$

13) A subway token has a <u>radius</u> of 1 cm. What is the token's circumference? $C = 2\pi r$ $C = 2 \cdot 3.14 \cdot 1$ $C = 6.28 \text{ cm}$	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 $\frac{\text{is}}{\text{of}} = \frac{\%}{100} \Rightarrow \frac{x}{180} = \frac{20}{100}$ $100x = 3600$ $\frac{100x}{100} = \frac{3600}{100}$ $X = 36$	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 1/4 of 480?

