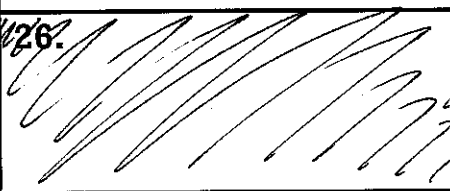
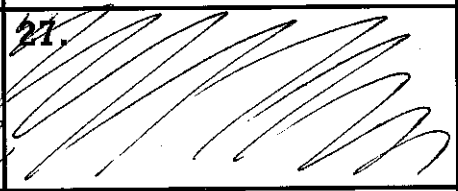
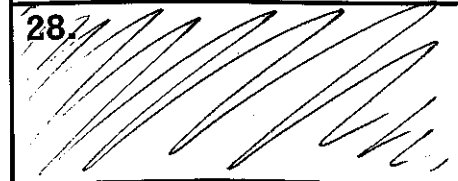


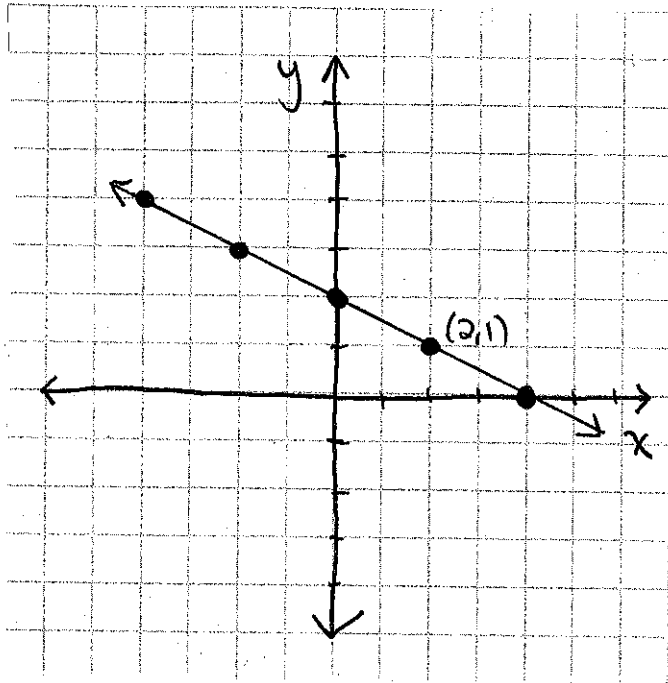


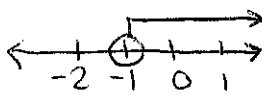
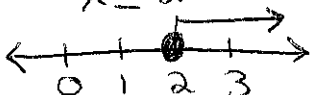
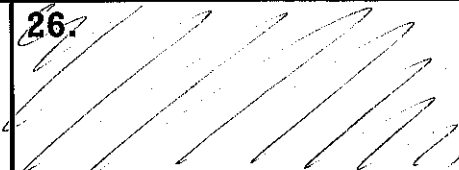
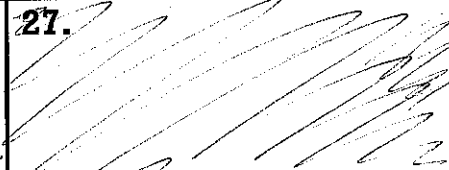
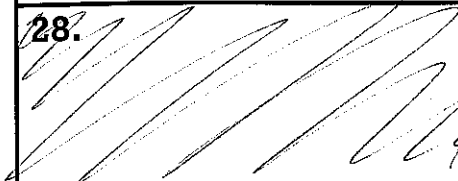
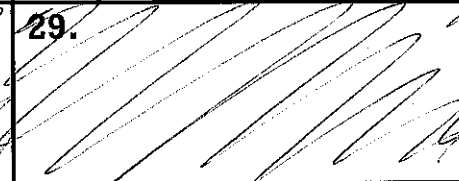

1. 16 broken keys	2. 10.56 kg.	★ 3. \$ 22.81
4. yes ; 1.5 15 km	★ 5. a. see table on back b. $C = 50 + 3t$ c. NO, because there is not a constant ratio of charges to time because of the 50¢	★ 6. made : $225^\circ$ missed : $135^\circ$
★ 7. $x < 15$	★ 8. $x \leq -1$	★ 9. $x = 10$
10. $x = \frac{-1}{4}$	11. $x = 1$	12. $x = 56$
13. 125%	14. 90	★ 15. trapezoid $26m^2$
★ 16. parallelogram $32m^2$	★ 17. $3\sqrt{6}$	18. $\frac{z}{2x^7}$
19. a. 9 and 10 b. 8 and 9 c. 8 and 9	20. $\frac{10in}{2sec} \left( \frac{1ft}{12in} \right) \left( \frac{60sec}{1min} \right) = 25ft/min.$	21. yes (see graph on back)
★ 22. $28\pi cm^3$	★ 23. $100mm^3$	24. a. $0.\overline{36}$ b. $36\frac{4}{11}\%$ or $36.\overline{36}\%$
25. a. 50% b. $\boxed{2}$ c. $\frac{4}{5}$	26. 	27. 
28. 	29. 	30. 

#5: a.

(min.) Time	(¢) Charge
0	50
1	53
2	56
3	59
4	62

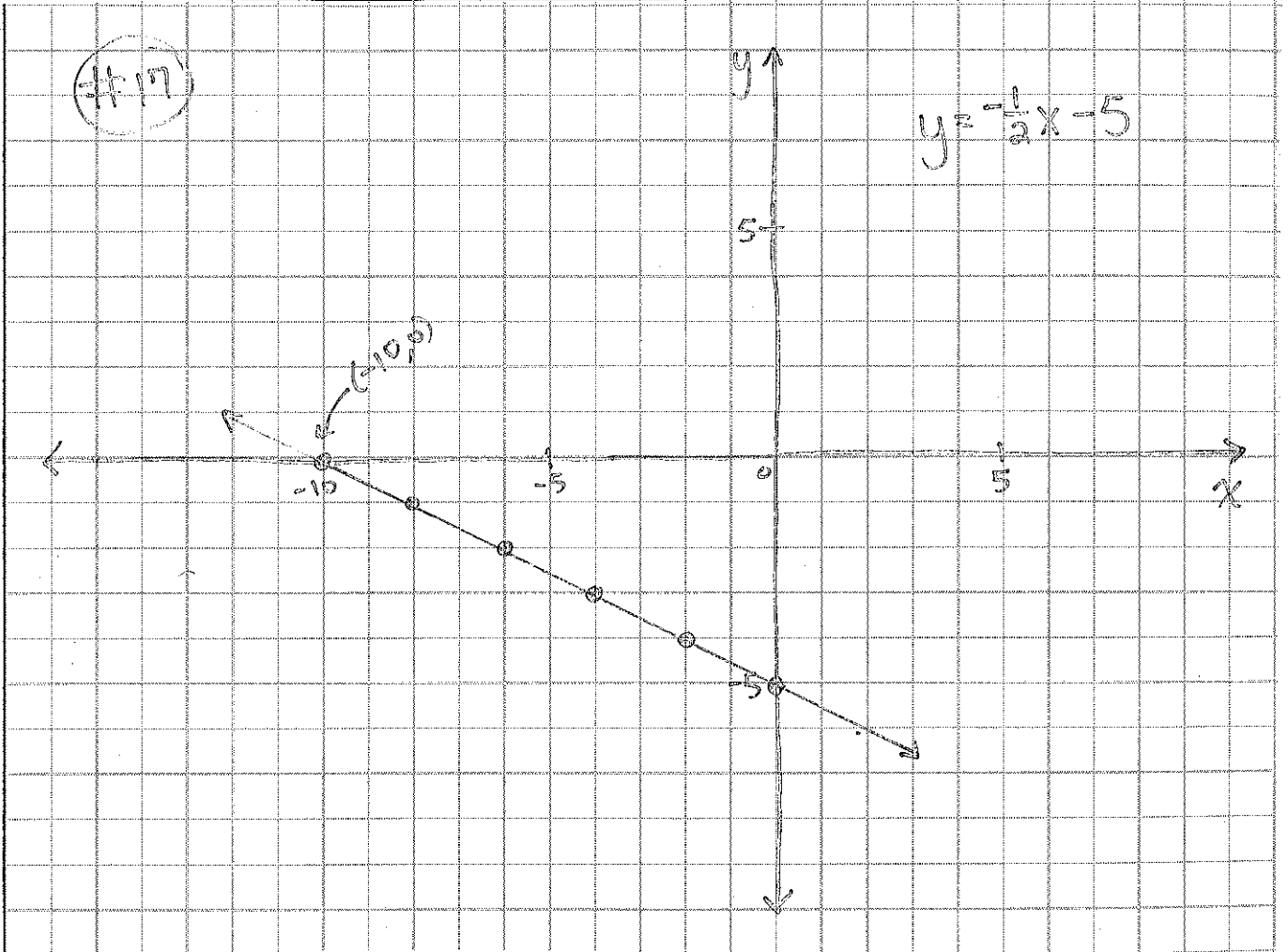
#21:  $y = -\frac{1}{2}x + 2$



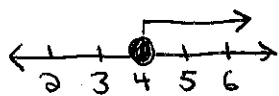
★ 1. 125%	★ 2. \$780,000	3. 480 roses
4. 90 apples	★ 5. $4\sqrt{3}$	★ 6. $3\sqrt{7}$
★ 7. $6\sqrt{2}$	8. $2m^2b^4$	★ 9. $m=14$
10. $x=20$	11. $x=2$	12. $m=9$
★ 13. trapezoid $28\text{cm}^2$	★ 14. parallelogram $40\text{cm}^2$	15. a. 7 and 8 b. 7 and 8 c. 6 and 7
16. $\frac{\$15}{\text{hr.}} \left( \frac{100\text{¢}}{\$1} \right) \left( \frac{1\text{hr}}{60\text{min}} \right) =$ $25\text{¢/min}$	17. (see graph on back) yes.	18. about 25 feet
★ 19. $1000\text{cm}^3$	★ 20. $720\pi\text{in}^3$	21. A.
22. $\frac{1}{6}, 16\frac{2}{3}\%, 0.17$	23. $x > -1$ 	24. $x \geq 2$ 
25. a. D b. B	26. 	27. 
28. 	29. 	30. 

#17

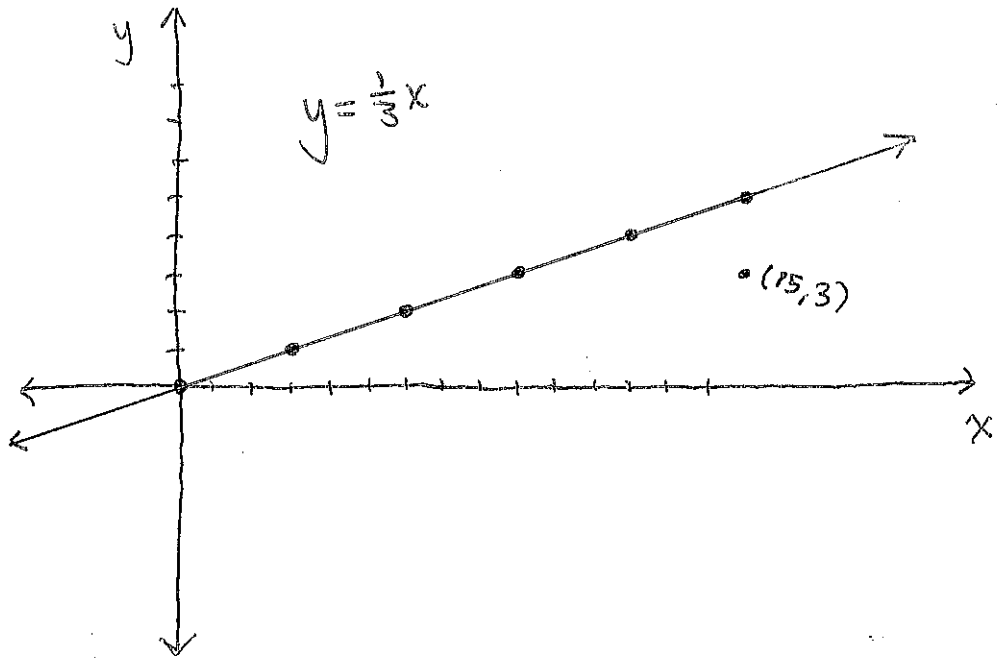
$$y = \frac{1}{2}x - 5$$



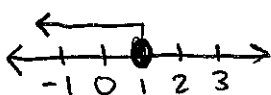
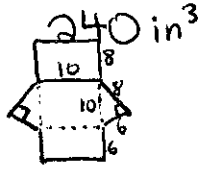




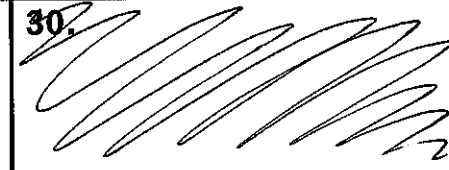
# Homework Answer Key

1. 15%	2. 81 people	3. 125%
4. $r = \frac{C}{2\pi}$	5. $\{R_1R_1, R_1R_2, RB, R_2R_1, R_2R_2\}$ a. $\{R_2B, BR_1, BR_2, BB\}$ b. $\frac{1}{9}$	6. a. $55\frac{5}{9}\%$ or $55.\bar{5}\%$ b. $0.\bar{5}$ c. closer to $\frac{1}{2}$
7. trapezoid $40m^2$	8. $x=20$	9. $x=1$
10. $x=6$	11. $x=-8$	12. $3\sqrt{10}$
13. $2\sqrt{10}$	14. 7	15. $2m^4$
16. parallelogram $65ft^2$	17. *must use $\geq$ unit multipliers! \$30/hr.	18. No (see graph on back)
19. $x=5$ $y=7\frac{1}{2}$	20. $314ft^3$	21. $12yd^3$
22. $36cm^3$	23. 30 pounds	24. $x \geq 4$ 
25. a. B b. Point Z is the center of rotation, so its location will not change.	26. <del>scribbled out</del>	27. <del>scribbled out</del>
28. <del>scribbled out</del>	29. <del>scribbled out</del>	30. <del>scribbled out</del>

#18



# Homework Answer Key

1. a. \$72 b. \$50.40	2. 75 acres	3. $\frac{2}{9}$
4. No, the side lengths don't satisfy the Pythagorean Theorem $5^2 + 7^2 = 74$ $9^2 = 81$	5. $r = \sqrt{\frac{A}{\pi}}$	6. $6 \text{ ft}^3$
7. $x = -6$	8. $x = 70$	9. $x = \frac{5}{4} = 1\frac{1}{4}$
10. $x = -4$	11. a. 4 yd. 1 ft. 5 in. b. 38 min.	12. a. binomial b. $4x + 1$
13. $10\sqrt{10}$	14. 20	15. $6\sqrt{2}$
16. $\frac{4y^7}{x}$	17. 20 miles <sup>2</sup>	18. $82 \text{ ft}^2$
19. $x \leq 1$ 	20. must use 2 unit multipliers! $\$3/\text{ft}^2$	21. yes (see graph on back)
22. a = 5 b = 8 c = 6	23. 	24. a. $0.\bar{2}$ b. $22\frac{2}{9}\%$ or $22.\bar{2}\%$
25. a. 1000 people b. 150 people c. 550 people	26. 	27. 
28. 	29. 	30. 

#21

