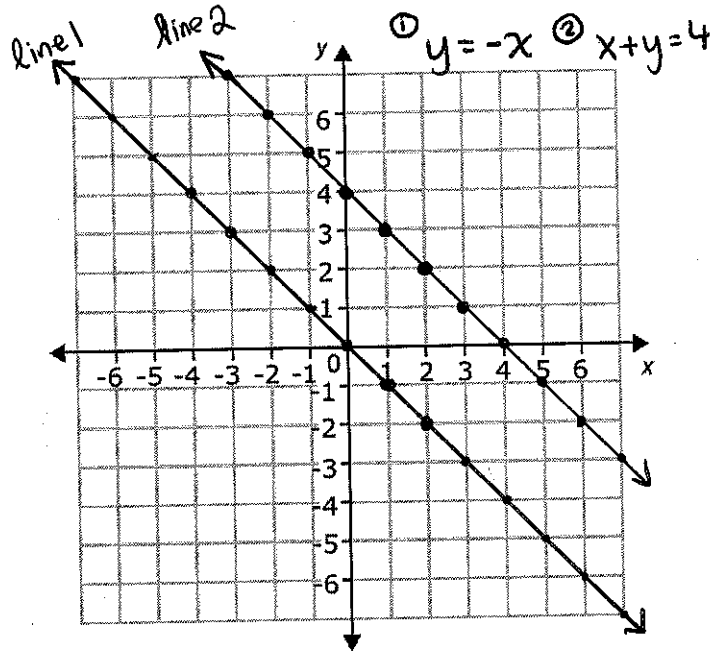
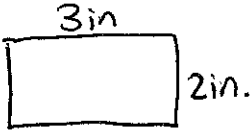






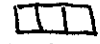



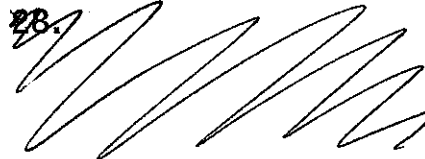




1. 2 lb. 6 oz.	2. 40%	★ 3. a. 30° b. 3.14 in
4. 48 in ³	5. 19 cm ²	★ 6. 15 ft.
7. 4x - 11	★ 8. a. \$110 b. \$99	9. 56%
★ 10. 256 mi	11. 3, 8, 13, 18, ...	★ 12. 5√3
13. -2	★ 14. \$1.20	★ 15. y = 2x + 4
16. → Switched! ← a. 1/7 b. 1/10	17. (Pythagorean Theorem) 1 ² + 4 ² = (√17) ² 1 + 16 = 17 ✓	18. ✗ Use 2 unit multipliers! 5280 ft/min
19. a, b: see graph on back c: they are parallel	20. x = 6	21. x = 2
22. x = -1	23. x = 8	★ 24. Front Top Rightside
25. 72 ft ³	26.	27.
28.	29.	30.

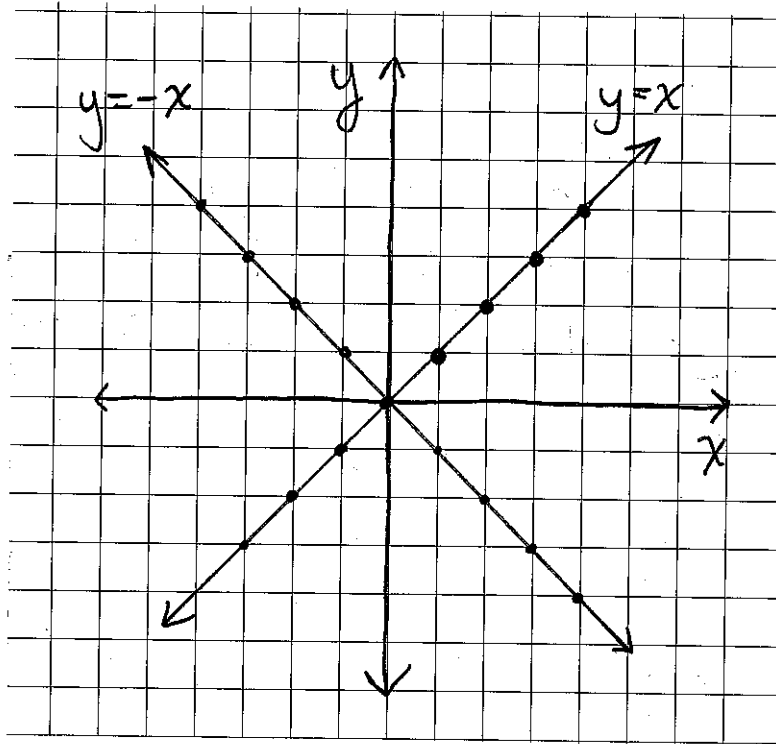
#19



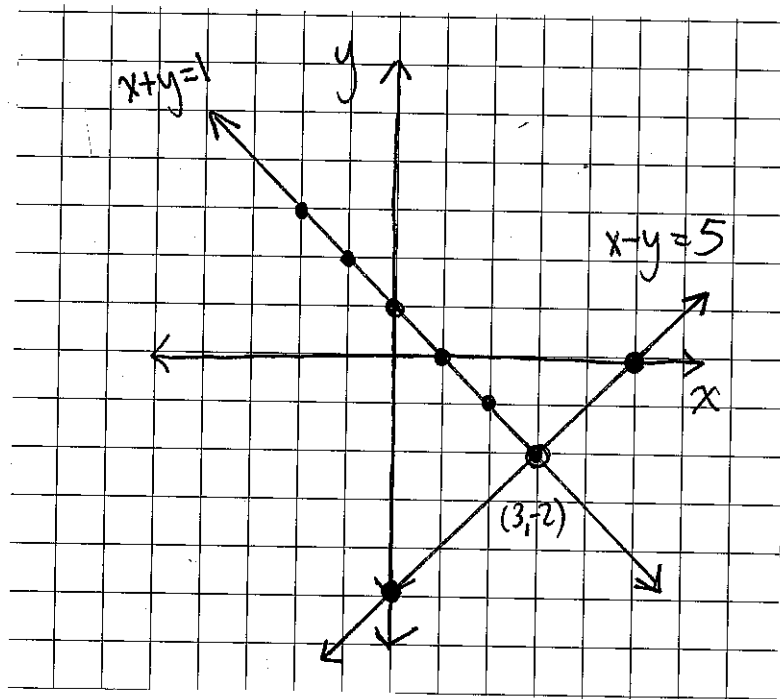
<p>★1. a. 10ft b. 6in</p>	<p>★2. a. 5in. b. 10ft.</p>	<p>3. Since each # was rounded up, the actual total will be less than the estimate</p>
<p>★4. D.</p>	<p>★5. cylinder: $96\pi \text{ in}^3$ cone: $32\pi \text{ in}^3$</p>	<p>6. $80\pi \text{ in}^2$</p>
<p>★7. </p>	<p>★8. a. (-1, 2) b. $\sqrt{5}$ units c. 5 units^2</p>	<p>9. $\frac{1}{15}$</p>
<p>★10. $4x + 14$</p>	<p>★11. $x^2 - x - 12$</p>	<p>★12. $3x^2y$</p>
<p>★13. $4\sqrt{5}$</p>	<p>14. -5</p>	<p>★15. 0.2</p>
<p>16. 40 yards</p>	<p>★17. a. 40° b. 3in.</p>	<p>★18. a. 1.331 yd^3 b. 36ft^3</p>
<p>19. (2, 2) ★ Need to graph both lines!</p>	<p>20. $x = 9$</p>	<p>21. $x = 4$</p>
<p>22. $x = \frac{1}{3}$</p>	<p>23. $x = -2$</p>	<p>24. $x = 3$</p>
<p>25. 240 laps every 4 days</p>	<p>★26. </p>	<p>★27. </p>
<p>★28. </p>	<p>★29. </p>	<p>★30. </p>

<p>1. a. 13 ft b. 1 1/2 in.</p>	<p>2. 486 were exuberant</p>	<p>3. \$99</p>
<p>4. 3.1536×10^7</p>	<p>5. 1 in. by 90 in 2 in by 45 in 3 in by 30 in 5 in by 18 in 6 in by 15 in 9 in by 10 in</p>	<p>6. 1,000,000 cm³ (* must use unit multipliers)</p>
<p>7. $y - 2$</p>	<p>8. 4800 ft³</p>	<p>9. 880 ft²</p>
<p>10. about 528 ft²</p>	<p>11. 22 ft</p>	<p>12. $6\sqrt{10}$</p>
<p>13. $12\sqrt{5}$</p>	<p>14. 5</p>	<p>15. 0.1</p>
<p>16. Yes $1^2 + 7^2 = (5\sqrt{2})^2$ $1 + 49 = 50 \checkmark$</p>	<p>17. NOT proportional</p>	<p>18. The lines are perpendicular. They intersect at (0,0) (see graph on back)</p>
<p>19. (3, -2) → see graph on back</p>	<p>20. a. $88\frac{8}{9}\%$ or $88.\bar{8}\%$ b. $0.\bar{8}$ c. 0.89</p>	<p>21. $x = 2$</p>
<p>22. $x = 110$</p>	<p>23. $x = -3$</p>	<p>24. $x = \frac{4}{5}$</p>
<p>25. Front  Right side  Top </p>	<p>26. </p>	<p>27. </p>
<p>28. </p>	<p>29. </p>	<p>30. </p>

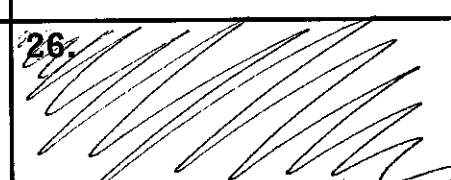
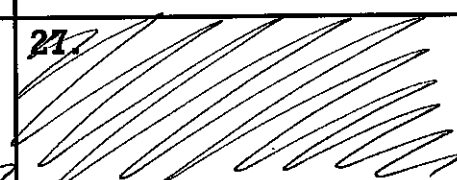
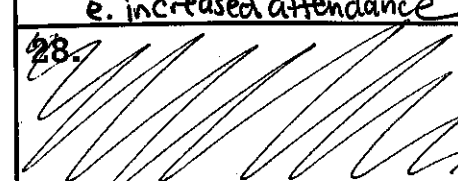
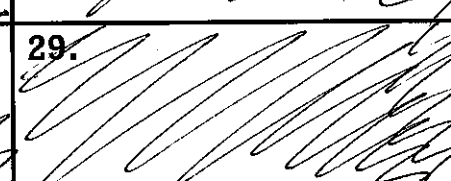
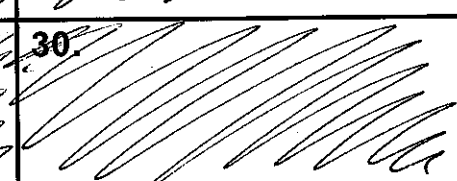
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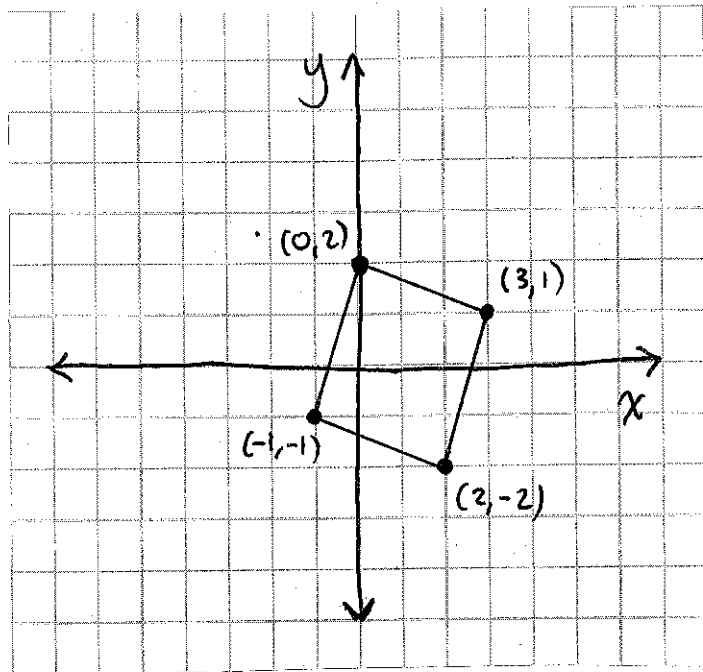
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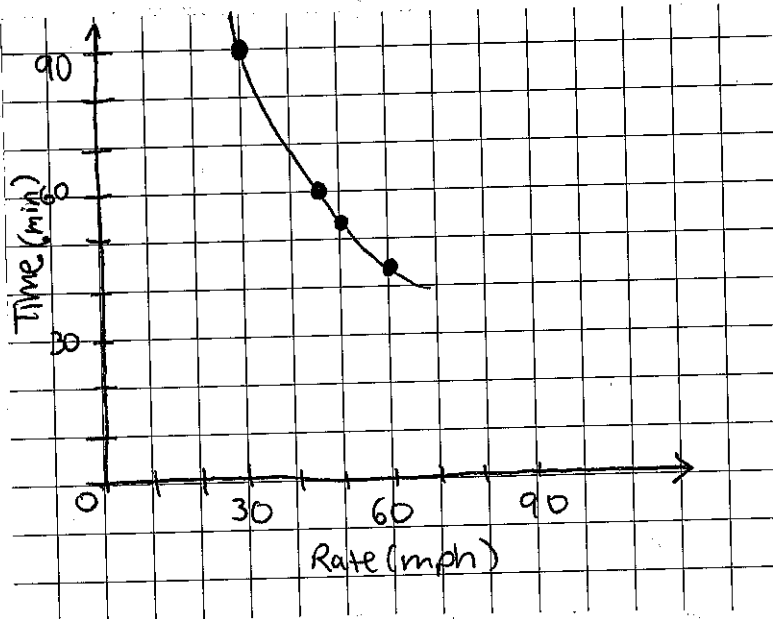
Homework Answer Key

<p>1. a. 21 ft. b. 1.8 in</p>	<p>2. 200g</p>	<p>3. \$48.60</p>
<p>4. a. 180° b. 90° c. 45° d. 135°</p>	<p>5. $\frac{1}{32}$</p>	<p>6. $a_n = 5n$ 100</p>
<p>7. (see graph on back) Side length: $\sqrt{10}$ units</p>	<p>8. 10 square units</p>	<p>9. 1000 rotations per second $\frac{1}{1000}$ sec. or 0.001 sec.</p>
<p>10. 15</p>	<p>11. 80.72</p>	<p>12. $100\sqrt{2}$</p>
<p>13. $\frac{2}{xy^2}$</p>	<p>14. a. mean: 2.9 median: 2.5 mode: 2 range: 5 b. mode 2</p>	<p>15. (see graph on back) b. about 50 minutes</p>
<p>16. Bingham: -1 Grindley: 4 (see graph on back)</p>	<p>17. a. {6, 12} #s they both say b. {2, 3, 4, 6, 8, 9, 10, 12} all #s either person says</p>	<p>18. 88 ft/sec.</p>
<p>19. a. $18\frac{2}{11}\%$ or $18.\overline{18}\%$ b. $0.\overline{18}$ c. 0.182</p>	<p>20. a. $5(m^2 - 8m + 1)$ b. $7x^2 - 21x$</p>	<p>21. $x = 5$</p>
<p>22. $x = 95$</p>	<p>23. $x = -\frac{1}{5}$</p>	<p>24. $m = -9$</p>
<p>25. a. histogram b. Texas c. 1 school year d. 2001-02 e. increased attendance</p>	<p>26. </p>	<p>27. </p>
<p>28. </p>	<p>29. </p>	<p>30. </p>

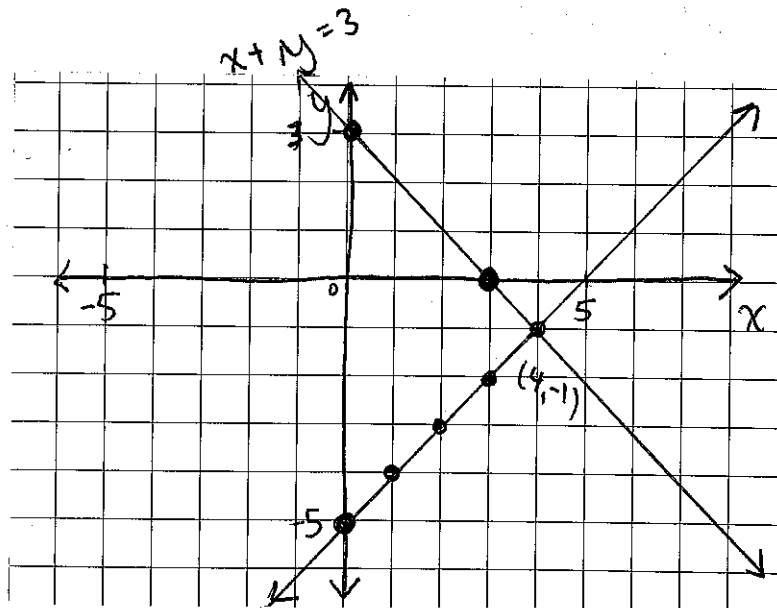
#7



#15



#16



$$y = x - 5$$

intersection point
 $(4, -1)$