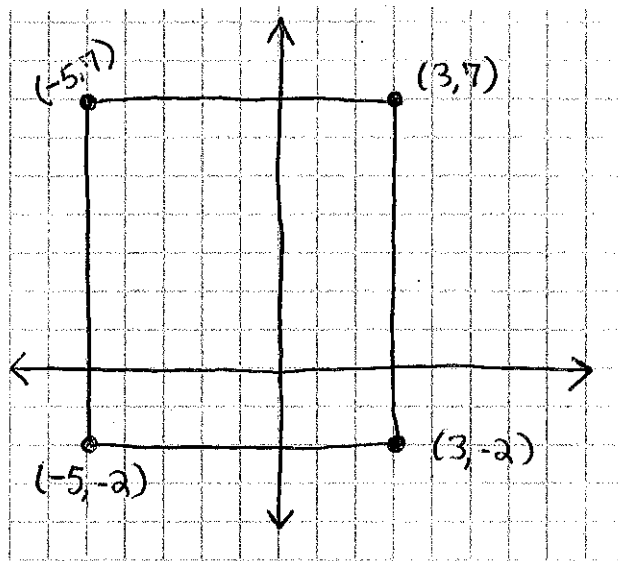


<p>★ 1.</p> <p>3 hours</p>	<p>2. 15 times</p> <ul style="list-style-type: none"> 1 minute (60 seconds) The first 30 seconds he chopped the most rapidly 	<p>3.</p> <p>22 books</p>
<p>★ 4. a. $(7+13)+18$ b. $7+(13+18)$ Commutative Prop. of Add. $(7+13)+18$ Associative Prop. of Addition. c. 38</p>	<p>5. (example)</p> <p>$(12 \cdot 5) \cdot 13 \cdot 10 = 7800$</p>	<p>★ 6. $2(75 + 7.5) = 165$ $2 \cdot 75 + 2 \cdot 7.5 = 165$ $150 + 15 = 165$</p>
<p>7.</p> <p>24 cm^2</p>	<p>★ 8.</p> <p>a. $2x+14$ b. $3(3x+4)$</p>	<p>★ 9. isosceles, right $m\angle A = 45^\circ$ $m\angle C = 90^\circ$ $m\angle B = 45^\circ$</p>
<p>★ 10.</p> <p>22 students</p>	<p>★ 11.</p> <p>20</p>	<p>★ 12.</p> <p>$\frac{1}{3}$</p>
<p>13.</p> <p>$\frac{2}{7}$</p>	<p>14.</p> <p>$2\frac{7}{10}$</p>	<p>15.</p> <p>305</p>
<p>★ 16.</p> <p>13</p>	<p>★ 17.</p> <p>3</p>	<p>★ 18.</p> <p>81</p>
<p>★ 19. (graph on back)</p> <p>$P = 34$ units $A = 72$ square units</p>	<p>20.</p> <p>$20 - 33 < 20 - 33$</p>	<p>21.</p> <p>$r = 2, -2$</p>
<p>★ 22.</p> <p>$\frac{b^2 r^2}{y^4}$</p>	<p>★ 23.</p> <p>$P = 24 \text{ cm}$ $A = 24 \text{ cm}^2$</p>	<p>24.</p> <p>$W = 8$</p>
<p>25.</p> <p>$y = 16$</p>	<p>26.</p> <p>$n = 11$</p>	<p>27.</p> <p>$b = 4$</p>
<p>★ 28.</p> <p>1</p>	<p>★ 29.</p> <p>100 yd^2</p>	<p>★ 30.</p> <p>whole numbers integers rational numbers real numbers</p>

#19



height = 9 units
width = 8 units

$P = 34$ units
 $A = 72$ square units

Homework Answer Key


1. 10 miles	★ 2. 516 minutes He had the greatest average speed during the bike portion	★ 3. $3x + 21$
★ 4. $5(x + 7)$	★ 5. 2	★ 6. 25
★ 7. $ 6 - 19 > (6 - 19)$	★ 8. $\frac{1}{4}$	★ 9. $\frac{1}{5}$
★ 10. 7	★ 11. $\frac{3}{2}$	12. 86
★ 13. $2\frac{1}{4}$	★ 14. $P = 30\text{cm}$ $A = 30\text{cm}^2$	★ 15. acute, equilateral $m\angle A = m\angle B = m\angle C = 60^\circ$
16. 289in^2	17. No, because a polygon cannot have a curved side	18. NO, because in a regular triangle, all angles must be equal. A triangle can have at most one obtuse angle.
19. $A \cong$	20. $m\angle WYX = 120^\circ$	21. B. \vec{FE}
22. C. skew	23. \$404 million (or \$404,000,000)	24. 180
25. Natural (or counting) numbers	26. 4	27. $2\frac{1}{2}$
28. 0.875	29. 21	★ 30. 40°

Homework Answer Key

Course 3 Lesson # 23

1. 108 guests	2. 75 visitors	3. 1456
★ 4. $1\frac{1}{3}$	★ 5. $\frac{1}{3}$	★ 6. $\frac{5}{12}$
★ 7. $1\frac{2}{3}$	★ 8. $\frac{1}{2}$	★ 9. $1\frac{1}{49}$
★ 10. $\frac{6}{7}$	★ 11. $\frac{3}{14}$	★ 12. $4\frac{1}{6}$
★ 13. $1\frac{1}{2}$	★ 14. 12	★ 15. 6
16. $(-1, -6)$ P = 30 units A = 56 square units	★ 17. a. $(5-7) \text{ } \textcircled{<} \text{ } 5-7 $ b. $\sqrt{64} \text{ } \textcircled{>} \text{ } \sqrt[3]{64}$	18. $x = 12, -12$
19. a. y^4 b. $2a^3b^2$	★ 20. $6\frac{1}{4} \text{ in}^2$	21. a. Commutative Property of Addition b. Zero Property of multiplication
★ 22. P = 60m A = 150m ²	23. $x = 17$	24. $x = 3$
★ 25. $p = \frac{1}{3}$	26. $x = 20$	27. 4
★ 28. A = 12cm ²	★ 29. a. $5x + 15$ b. $2(3x - 5y)$	★ 30. 20 ft.

Homework Answer Key

1. 14 minutes	2. 126 people	3. $\frac{5}{8}$
★ 4. 136.53	★ 5. 2.9°F	★ 6. $1\frac{3}{5}$
★ 7. $\frac{2}{5}$	★ 8. 1	★ 9. $1\frac{7}{9}$
★ 10. $2\frac{7}{9} \text{ in}^2$	★ 11. $\frac{8}{27}$	★ 12. $\frac{2}{3}$
★ 13. 16	★ 14. $ 16-20 > (16-20)$	15. P = 56m A = 84m ²
16. isosceles right	★ 17. C. similar	18. A.  (all sides are equal length)
★ 19. $x = 50^\circ$	20. Yes, at point D.	21. 6.0
22. 3	23. whole numbers	24. 5
25. 25	26. $2\frac{7}{10}$	27. $\frac{1}{12}$
28. $84 = 2^3 \cdot 3 \cdot 7$	29. 16 glasses	30. \$14

★ 1. 24 names	2. 29 students	★ 3. 8.42m
4. $1\frac{1}{6}$	★ 5. $\frac{1}{3}$	★ 6. $\frac{3}{4}$
7. $\frac{1}{6}$	★ 8. 0.099	★ 9. 9.61
★ 10. 4.76	★ 11. 3.78	★ 12. 0.036
★ 13. 10.9	14. 0.249, 0.25, 0.251	15. a. $\angle AGB$ and $\angle BGC$ $\angle AGD$ and $\angle DGC$ b. $m\angle BCC = 60^\circ$, $m\angle CGD = 30^\circ$
16. A = 81 sq. units p = 36 units	17. a. $3t + 12$ b. $5(2x - 3)$	18. a. $4 \cong 4$ b. $11 \cong 10$
19. $Z = 7, -7$	20. $\frac{k^2 u^3}{r^4 t}$	21. $12\frac{1}{4} ft^2$
22. a. Associative Property of Addition b. Identity Property of Multiplication	★ 23. p = 30 in A = 30 in ²	★ 24. right, scalene 67.5°
25. r = 30	26. $x = \frac{1}{3}$	27. $p = \frac{1}{2}$
28. m = 200	29. 9	30. 0 (zero)