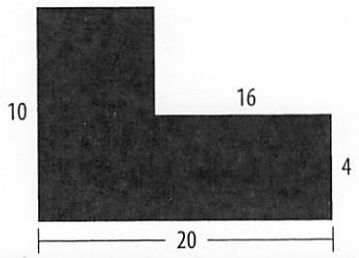
206 • Geometry

What is the total area of the figure?

a) 80 square units
b) 96 square units
c) 104 square units



Name _____

Period _____

Math Review Sheet #15

Due Date _____

23 • Ratios and Proportional Relationships

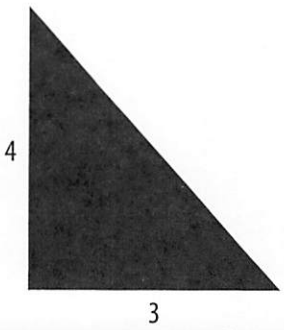
Which ratio is equivalent to $\frac{100}{200}$?

a) $\frac{1}{4}$
b) $\frac{25}{75}$
c) $\frac{30}{60}$

201 • Geometry

What is the area of this triangle?

a) 5 units
b) 6 square units
c) 12 square units



29 • Ratios and Proportional Relationships

Adam earns $66 during an 8-hour shift at work. What is his pay rate?

a) $8.25 per hour
b) $8.50 per hour
c) $12 per hour

18 • Ratios and Proportional Relationships

In an election, Reese earned 9 votes for every 27 votes Tamika earned. Which unit rate represents this situation?

a) For each vote Reese earned, Tamika earned 18 votes.
b) For each vote Tamika earned, Reese earned 3 more.
c) For each vote Reese earned, Tamika earned 3 votes.

144 • Expressions and Equations

Evaluate $4^3 \div 8^2$.

a) -4
b) 1
c) 4

161 • Expressions and Equations

Given the formula $A = 6s^2$, find the surface area of a cube with a side length of $\frac{1}{4}$ cm.

a) $\frac{3}{8}$ cm^2
b) $\frac{3}{4}$ cm^2
c) $\frac{1}{8}$ cm^2

Arrange each set of numbers in order according to the inequality symbols.

1. □ < □ < □ 1/7, −1/7, 0	12. □ > □ > □ 1 ¼, 1, 1 ½	23. □ > □ > □ 1, 1¾, − 1¾
2. □ > □ > □ 1/7, −1/7, 0	13. □ > □ > □ 11 ¼, 11, 11 ½	24. □ < □ < □ 1, 1¾, − 1¾
3. □ < □ < □ 3/7, 2/7, −1/7	14. □ < □ < □ 11 ¼, 11, 11 ½	25. □ > □ > □ −82, −93, −104
4. □ > □ > □ 3/7, 2/7, −1/7	15. □ < □ < □ 0, 0.2, −0.1	26. □ < □ < □ −82, −93, −104
5. □ > □ > □ −4/5, 1/5, −1/5	16. □ > □ > □ 0, 0.2, −0.1	27. □ > □ > □ 0.5, 1, 0.6
6. □ < □ < □ −4/5, 1/5, −1/5	17. □ > □ > □ 1, 0.7, 1/10	28. □ > □ > □ −0.5, − 1, −0.6
7. □ < □ < □ −8/9, 5/9, 1/9	18. □ < □ < □ 1, 0.7, 1/10	29. □ < □ < □ −0.5, − 1, −0.6
8. □ > □ > □ −8/9, 5/9, 1/9	19. □ < □ < □ 0, −12, −12½	30. □ < □ < □ 1, 8, 9
9. □ > □ > □ −30, −10, −50	20. □ > □ > □ 0, −12, −12½	31. □ < □ < □ −1, −8, −9
10. □ < □ < □ −30, −10, −50	21. □ < □ < □ 5, −1, 0	32. □ > □ > □ −2, −3, −5
11. □ > □ > □ −40, −20, −60	22. □ < □ < □ −5, 1, 0	33. □ > □ > □ 2, 3, 5