

Algebra

Chapter 6

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	See other side.

Dividing Monomials Section 6.9 Pg. 323-325	Classwork: p. 324: 1-12, 14, 15, 19, 20, 22, 35, 41, 45a, 46a Homework: p. 324: 16, 17, 18, 23, 26, 28, 31, 32, 34, 37, 38, 42, 44, 45b, 46b
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Review Pg. 334-335	Questions 1-87
Unit test: Oct. 23/24 2012	

Practice

Divide.

1. $\frac{12xy}{4xy}$

2. $\frac{24ab}{-4ab}$

3. $\frac{-12mn}{3m}$

4. $\frac{-30xy}{-5xy}$

5. $\frac{11ab}{ab}$

6. $\frac{5xy}{5x}$

7. $\frac{24x^2y}{6xy}$

8. $\frac{15ab^3}{-5ab}$

9. $\frac{36x^3y^2}{-6x^2y^2}$

Divide.

10. $\frac{12xy - 15y^2 + 24y}{3y}$

11. $\frac{5x^3 + 10x^2 - 15x}{5x}$

12. $\frac{7y^4 + 7y^3 - 21y}{-7y}$

13. $\frac{4m^3 + 8m^2 - 12m}{4m}$

14. $\frac{9x^3 - 24x^2 - 15x}{-3x}$

15. $\frac{6j^5 + 12j^4 + 18j^3}{-6j}$

Divide.

16. $\frac{10x^4 + 5x^3 - 15x^2}{-5x^2}$

17. $\frac{-21m^2 + 14m^3 - 21m^4}{-7m^2}$

18. $\frac{10p^2q^2 - 15pq^3 + 25p^3q^4}{-5pq^2}$

19. $\frac{-12a^3b^2 + 9a^2b^3 + 24a^4b^4}{3a^2b^2}$

Divide.

20. $\frac{-20x^3yz + 30x^2y^2z - 40xy^3z}{-10xyz}$

21. $\frac{8a^3b^2c^3 - 12a^2b^2c^2 + 16a^2b^3c}{4a^2b^2}$

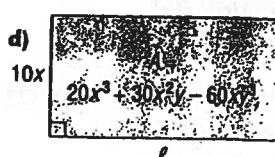
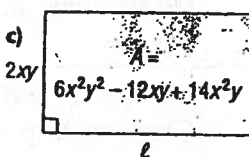
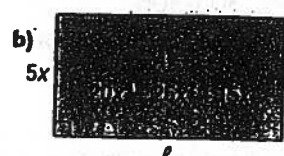
22. $\frac{-12x^4y^6 - 16x^5y^5 - 24x^6y^4}{-4x^4y^4}$

23. $\frac{30m^3n^5 - 36m^4n^4 - 30m^5n^3}{6m^3n^3}$

24. $\frac{25a^3b^3c^5 - 40a^4b^3c^4 + 35a^6b^4c^3}{-5a^2b^3c^3}$

Problems and Applications

25. Determine the length, l , of the unknown side, given the area and the length of one side.



$A = 20x^4 - 25x^2 + 15x$

26. Write a problem similar to those in question 25. Have a classmate solve your problem.

LOGIC POWER

Four students entered a problem solving contest. Each student represented a different zone of the town. Use the clues to determine which zone each student represented and in which order the students finished.

1. David came second, just behind the student from the west zone.
2. Petra represented neither the east nor the west zones.
3. The student from the north zone finished second last, just ahead of Frank.
4. David and Jarvi represented opposite zones in the town.