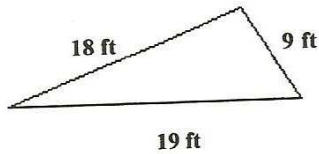


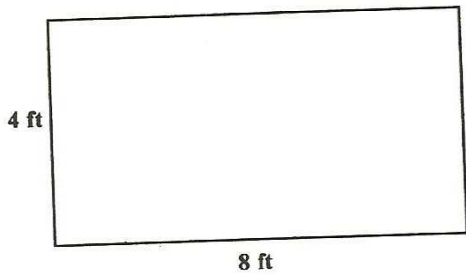
1.



What is the perimeter of the triangle?

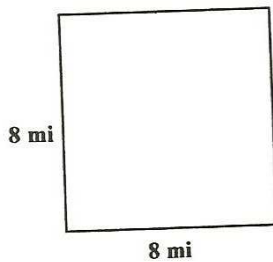
- a) 46 ft² b) 46 ft c) 85.5 ft d) 37 ft

2. What is the area of the rectangle below?



- a) 32 ft² b) 32 ft c) 24 ft² d) 24 ft

3. What is the area of the square below?



- a) 64 mi b) 32 mi² c) 32 mi d) 64 mi²

4. What is the volume of a rectangular solid that measures 18 ft long by 10 ft high by 13 ft wide?

- a) 1690 ft³ b) 1800 ft³ c) 2340 ft³ d) 4212 ft³

5. Use order of operations to simplify.

$$3 \cdot 3 + 9(7 - 3) + 8$$

- a) 77 b) 117 c) 152 d) 53

6. Use order of operations to simplify.

$$(2^2 - 1) \div (-2^2 + 1)$$

- a) 1 b) -1 c) $-\frac{5}{3}$ d) $\frac{3}{5}$

28. Multiply.

$$11a(10a^2 - 6a + 8)$$

a) $110a^3 - 6a + 8$

c) $110a^3 - 66a^2 + 88$

b) $121a^4$

d) $110a^3 - 66a^2 + 88a$

29. Multiply.

$$2a^3(-12a^7 - 7a)$$

a) $-24a^7 - 14a$

b) $-24a^{10} - 7a^4$

c) $-24a^{10} - 7a$

d) $-24a^{10} - 14a^4$

30. Multiply.

$$(x + 1)(-3x - 8)$$

a) $-3x^2 - 11x - 11$

b) $-3x^2 - 11x - 8$

c) $-3x^2 - 8x - 11$

d) $-3x^2 - 13x - 8$

31. Multiply.

$$\left(x - \frac{5}{4}\right)\left(x + \frac{4}{5}\right)$$

a) $x^2 - \frac{9}{20}x - 1$

b) $x^2 - \frac{16}{25}x$

c) $x^2 - \frac{1}{5}x - 1$

d) $x^2 - 1$

32. Multiply.

$$(0.4x + 9)(0.1x + 9)$$

a) $0.04x^2 + 4.5x + 33$

b) $0.4x^2 + 3.3x + 81$

c) $0.04x^2 + 4.5x + 81$

d) $0.4x^2 + 8.1x + 45$

33. Simplify.

$$(7 + 9n^6 + 4n^5) + (3n^6 - 7n^5 + 5)$$

a) $12n^6 - 3n^5 + 12$

b) $21n^{11}$

c) $12n^6 + 2n^5 + 9$

d) $12 - 3n^6 + 12n^5$

34. Simplify.

$$(-5n + 8n^5 - 19n^2) - (7n^2 + 4n^5 - 2n)$$

a) $4n^5 - 26n^2 - 7n$

b) $-25n^8$

c) $4n^5 - 26n^2 - 3n$

d) $4n^5 - 15n^2 - 7n$

35. Simplify.

$$\left(\frac{11}{11}x^4 + \frac{1}{5}\right) - \left(\frac{6}{11}x^4 + \frac{1}{6}x^2\right) + \left(\frac{2}{3}x^2 + \frac{1}{5}\right)$$

a) $\frac{5}{11}x^4 + \frac{1}{2}x^2$

b) $\frac{5}{11}x^4 + \frac{1}{2}x^2 + \frac{2}{5}$

c) $\frac{5}{11}x^4 + \frac{5}{6}x^2$

d) $\frac{5}{11}x^4 + \frac{5}{6}x^2 + \frac{2}{5}$

1. b
2. a
3. d
4. c
5. d
6. b
7. b
8. d
9. a
10. a
11. c
12. a
13. a
14. a
15. c
16. d
17. b
18. a
19. d
20. b
21. b
22. a
23. a
24. b
25. d
26. a
27. c
28. d
29. d
30. b
31. a
32. c
33. a
34. c
35. b^d