Section 2.3 Exercises Part C
Chapter 2 Exam Review

Find the following:

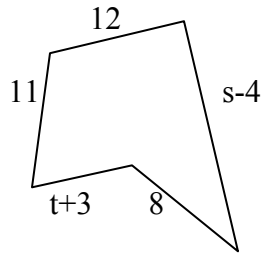
1. $7^3 + 6 \cdot 3 - 8(5)$

2. $2 \cdot v \cdot 9 \cdot m$

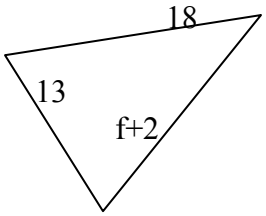
3. $6(3-7) - 4^2 \cdot (7+4)$

Find the perimeter of the following shapes:

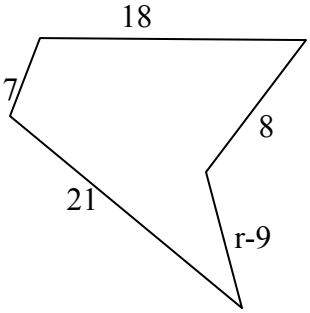
4.



5.



6.



Find the following when p = -5, r = 7, t = $\frac{2}{3}$, and a = 4.

7. $12 - a^3$

8. $\frac{7a-12}{4}$

9. $2r - 3p + 9t$

Use the formula for distance, rate, and time.

10. r = 6 m/h
t = 19 hours
d =

11. r = 65 km/h
t = 4.3 hours
d =

12. r = 36 feet per second
t = $2\frac{1}{3}$ seconds
d =

Use the formula for Interest.

13. P = \$2,800
r = 7%
t = 4
A =

14. P = \$5,000
r = 6%
t = 9
A =

15. P = \$300
r = 13%
t = 7
A =

Use the formulas for Money totals (you may have to make up your own) when q stands for quarters, d for dimes, n for nickels, and p for pennies.

16. q = 15
d = 27
V =

17. p = 30
d = 25
V =

18. p = 37
q = 23
n = 7
V =

Use the formula for Temperature Conversion.

19. F = 212
C =

20. F = 98.6
C =

21. F = -40
C =

Use the formulas for a cone.

22. r = 6 m
h= 7 m
V =

23. r = 9 ft
l = 12.8 ft
SA =

24. r = 3 in
l = 7.9 in
LSA =

Use the formulas for a rectangle.

25. *l* = 3 yd
w = 5 yd
A =

26. *l* = 10.7 cm
w = 4 cm
A =

27. *l* = 8.6 mm
w = 9 mm
P =

Use the formulas for a circle.

28. r = 4 in
C =

29. r = 15 in
A =

30. r = 7 m
C =

Use the formulas for rectangular solid.

31. *l* = 7 cm
w = 2 cm
h = 8 cm
SA =

32. *l* = 4.2 mi
w = 5 mi
h = 7mi
V =

33. *l* = 6 km
w = 8 km
h = – km
SA =

34. Create a Visual Chart on one side of a piece of paper for Chapter 2 material including information and examples relating to Calculator and Spreadsheet Usage and Formulas.

Answers:

1. 321

2. 18vm

3. -200

4. 30 + s + t

5. f + 33

6. r + 45

7. -52

8. 4

9. 35

10. 114

11. 279.5

12. 84

13. $3,670.23

14. $8,447.39

15. $705.78

16. $6.45

17. $2.80

18. $6.47

19. 100° C

20. 37° C

21. -40° C

22. 263.89 m^3

23. 616.38 ft^2

24. 74.46 in^2

25. 15 yd^2

26. 42.8 cm^2

27. 35.2 mm

28. 25.13 in

29. 706.86 in^2

30. 43.98 m

31. 172 cm^2

32. 147 mi^3

33. 166 km^2