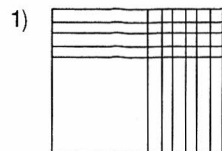
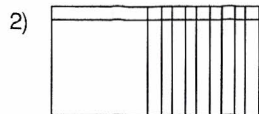


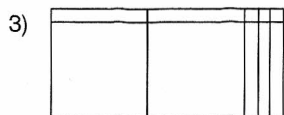
25F



$$X^2 + 10X + 24$$



$$X^2 + 10X + 9$$



$$2X^2 + 5X + 3$$

4)
$$\begin{array}{r} 3X + 4 \\ \times \quad X + 3 \\ \hline 9X + 12 \\ 3X^2 + 4X \\ \hline 3X^2 + 13X + 12 \end{array}$$

5)
$$\begin{array}{r} X + 3 \\ \times \quad X + 2 \\ \hline 2X + 6 \\ X^2 + 3X \\ \hline X^2 + 5X + 6 \end{array}$$

6)
$$\begin{array}{r} 2X + 5 \\ \times \quad X + 1 \\ \hline 2X + 5 \\ 2X^2 + 5X \\ \hline 2X^2 + 7X + 5 \end{array}$$

7) $3.14 \times (3)^2 \times 8 = 226.08 \text{ cu. in.}$

8) $3.14 \times (5)^2 \times 5.3 = 416.05 \text{ cu. ft.}$

9)
$$\begin{array}{r} 6X^2 + 5X + 2 \\ + 7X^2 + 3X - 1 \\ \hline 13X^2 + 8X + 1 \end{array}$$

10)
$$\begin{array}{r} 4X^2 - X - 9 \\ + 8X^2 - 8X - 2 \\ \hline 12X^2 - 9X - 11 \end{array}$$

11)
$$\begin{array}{r} -3X^2 + 6X - 5 \\ + 8X^2 - 4X + 7 \\ \hline 5X^2 + 2X + 2 \end{array}$$

12) $5^2 + 2 \cdot 3 - 8 + |-5| = 25 + 6 - 8 + 5 = 28$

13) $|16 + 4 + (3)(4) - 19| = |4 + 12 - 19| = |-3| = 3$

14) $(2^2 - 6) + 11 - 9 = (4 - 6) + 11 - 9 = -2 + 11 - 9 = 0$

15) $\frac{W}{21} = \frac{15}{25}$
 $25W = 21 \times 15$
 $25W = 315$
 $W = 12.6$

16) $\frac{X}{1} = \frac{4.5}{1.5}$; $1.5X = 4.5$; $X = 3$

17) $24 = 2 \times 2 \times 2 \times 3$
 $32 = 2 \times 2 \times 2 \times 2 \times 2$
 $\text{GCF} = 2 \times 2 \times 2 = 8$

18) $.40 \times \$12 = \4.80 discount
 $\$12 - \$4.80 = \$7.20$

19) $\$12 - \$7.20 = \$4.80$

20) $\$2.98 \times 1.77 = \5.27 rounded

26A

1) done

2) done

3)
$$\begin{array}{r} 15:30 \\ + 1:30 \\ \hline 7:00 \end{array}$$

4)
$$\begin{array}{r} 1:15 \\ + 2:40 \\ \hline 3:55 \end{array}$$

5)
$$\begin{array}{r} 1:55 \\ + 1:15 \\ \hline 2:10 \end{array}$$

6)
$$\begin{array}{r} 14:43 \\ + 3:22 \\ \hline 8:05 \end{array}$$

7) done

8)
$$\begin{array}{r} 3:75 \\ - 3:40 \\ \hline :35 \end{array}$$

9)
$$\begin{array}{r} 8:15 \\ - 2:58 \\ \hline 4:37 \end{array}$$

10) done

11)
$$\begin{array}{r} 11:24 + 12 = 11:36 \\ - 5:48 + 12 = 6:00 \\ \hline 5:36 \end{array}$$

12)
$$\begin{array}{r} 4:15 + 14 = 4:29 \\ - 2:46 + 14 = 3:00 \\ \hline 1:29 \end{array}$$

13) $8:35 + 1:25 = 10:00$

14) $11:20 + 1:50 = 13:10$

15) $4:30 - 2:45 = 1:45$

26B

1)
$$\begin{array}{r} 5:18 \\ + 6:36 \\ \hline 11:54 \end{array}$$

2)
$$\begin{array}{r} 17:36 \\ + 3:40 \\ \hline 11:16 \end{array}$$

3)
$$\begin{array}{r} 19:50 \\ + 6:30 \\ \hline 16:20 \end{array}$$

4)
$$\begin{array}{r} 3:38 \\ + 2:21 \\ \hline 5:59 \end{array}$$

5)
$$\begin{array}{r} 1:56 \\ + 1:18 \\ \hline 4:14 \end{array}$$

6)
$$\begin{array}{r} 13:45 \\ + 1:19 \\ \hline 5:04 \end{array}$$

7)
$$\begin{array}{r} 8:75 \\ - 6:30 \\ \hline 2:45 \end{array}$$

8)
$$\begin{array}{r} 7:85 \\ - 6:45 \\ \hline 1:40 \end{array}$$

9)
$$\begin{array}{r} 2:81 \\ - 1:50 \\ \hline 1:31 \end{array}$$

10)
$$\begin{array}{r} 8:19 + 37 = 8:56 \\ - 4:23 + 37 = 5:00 \\ \hline 3:56 \end{array}$$

11)
$$\begin{array}{r} 5:27 + 31 = 5:58 \\ - 2:29 + 31 = 3:00 \\ \hline 2:58 \end{array}$$

12)
$$\begin{array}{r} 5:37 + 5 = 5:42 \\ - 1:55 + 5 = 2:00 \\ \hline 3:42 \end{array}$$

13) $6:20 + 5:15 = 11:35$

14) $2:20 + 1:40 = 4:00$

15) $6:15 - 4:13 = 2:02$

26C

1)
$$\begin{array}{r} 1:18 \\ + 5:55 \\ \hline 12:12 \end{array}$$

2)
$$\begin{array}{r} 1:18 \\ + 1:53 \\ \hline 5:11 \end{array}$$

3)
$$\begin{array}{r} 3:14 \\ + 5:17 \\ \hline 8:31 \end{array}$$

4)
$$\begin{array}{r} 18:30 \\ + 6:40 \\ \hline 15:10 \end{array}$$

5)
$$\begin{array}{r} 2:43 \\ + 3:16 \\ \hline 5:59 \end{array}$$

6)
$$\begin{array}{r} 18:25 \\ + 1:46 \\ \hline 10:11 \end{array}$$

7)
$$\begin{array}{r} 8:90 \\ - 2:40 \\ \hline 6:50 \end{array}$$

8)
$$\begin{array}{r} 3:75 \\ - 2:46 \\ \hline 1:29 \end{array}$$

9)
$$\begin{array}{r} 11:78 \\ - 3:55 \\ \hline 8:23 \end{array}$$

10)
$$\begin{array}{r} 8:36 + 13 = 8:49 \\ - 2:47 + 13 = 3:00 \\ \hline 5:49 \end{array}$$

11)
$$\begin{array}{r} 5:30 + 5 = 5:35 \\ - 1:55 + 5 = 2:00 \\ \hline 3:35 \end{array}$$

12)
$$\begin{array}{r} 4:25 + 17 = 4:42 \\ - 1:43 + 17 = 2:00 \\ \hline 2:42 \end{array}$$

13) $7:45 + 2:55 = 10:40$

14) $5:10 + 6:42 = 11:52$

15) $5:25 - 4:30 = :55$

26D

$$\begin{array}{r} 1) \quad 7 \overline{) 810} \\ - 2 \overline{) 55} \\ \hline 5 \overline{) 35} \end{array}$$

$$\begin{array}{r} 2) \quad 1 \overline{) 258} \\ + 5 \overline{) 12} \\ \hline 8 \overline{) 10} \end{array}$$

$$\begin{array}{r} 3) \quad 1 \overline{) 538} \\ + 2 \overline{) 25} \\ \hline 8 \overline{) 03} \end{array}$$

$$\begin{array}{r} 4) \quad \begin{array}{r} X + 3 \\ \times X + 9 \\ \hline 9X + 27 \\ X^2 + 3X \\ \hline X^2 + 12X + 27 \end{array} \end{array}$$

$$\begin{array}{r} 5) \quad \begin{array}{r} 3X + 2 \\ \times X + 5 \\ \hline 15X + 10 \\ 3X^2 + 2X \\ \hline 3X^2 + 17X + 10 \end{array} \end{array}$$

$$\begin{array}{r} 6) \quad \begin{array}{r} 3X + 6 \\ \times X + 7 \\ \hline 21X + 42 \\ 3X^2 + 6X \\ \hline 3X^2 + 27X + 42 \end{array} \end{array}$$

$$7) \quad 2(1.2 \times 3) + 2(3 \times .5) + 2(1.2 \times .5) = 7.2 + 3 + 1.2 = 11.4 \text{ sq. ft.}$$

$$8) \quad 4 \times 4 + 4(4 \times 6 \times 1/2) = 16 + 48 = 64 \text{ sq. ft.}$$

$$9) \quad 2(4 \times 6.4) + 2(6.4 \times 2) + 2(4 \times 2) = 51.2 + 25.6 + 16 = 92.8 \text{ sq. in.}$$

$$10) \quad 2(3 + X) - 16 = [2 \cdot 3]$$

$$6 + 2X - 16 = 6$$

$$2X = 6 - 6 + 16$$

$$2X = 16$$

$$X = 8$$

$$11) \quad A(4 + 8) - 5 = 2(3 + A) - 1^2$$

$$12A - 5 = 6 + 2A - 1$$

$$12A - 2A = 6 - 1 + 5$$

$$10A = 10$$

$$A = 1$$

$$12) \quad (-3)^2 - 10 - X = -[6 - 12]$$

$$9 - 10 - X = -[-6]$$

$$9 - 10 - X = -6$$

$$9 - 10 + 6 = X$$

$$5 = X$$

$$13) \quad \text{acute}$$

$$14) \quad \text{obtuse}$$

$$15) \quad 8:30 - 5:20 = 3:10$$

$$3 \text{ hours and } 10 \text{ minutes}$$

$$16) \quad 3.14 \times (12)^2 \times 50 = 22,608 \text{ cu. ft.}$$

$$17) \quad \text{no: } 3.14 \times (6)^2 \times 25 = 2,826 \text{ cu. ft.}$$

$$18) \quad \text{yes: } 3.14 \times (12)^2 \times 25 = 11,304 \text{ cu. ft.}$$

$$11,304 \times 2 = 22,608$$

26E

$$\begin{array}{r} 1) \quad 1 \overline{) 225} \\ + 4 \overline{) 45} \\ \hline 7 \overline{) 10} \end{array}$$

$$\begin{array}{r} 2) \quad 3 \overline{) 79} \\ - 1 \overline{) 36} \\ \hline 2 \overline{) 43} \end{array}$$

$$\begin{array}{r} 3) \quad 1 \overline{) 823} \\ + 2 \overline{) 46} \\ \hline 11 \overline{) 09} \end{array}$$

$$\begin{array}{r} 4) \quad \begin{array}{r} 2X + 1 \\ \times X + 6 \\ \hline 12X + 6 \\ 2X^2 + X \\ \hline 2X^2 + 13X + 6 \end{array} \end{array}$$

$$\begin{array}{r} 5) \quad \begin{array}{r} X + 12 \\ \times X + 9 \\ \hline 9X + 108 \\ X^2 + 12X \\ \hline X^2 + 21X + 108 \end{array} \end{array}$$

$$\begin{array}{r} 6) \quad \begin{array}{r} X + 10 \\ \times X + 8 \\ \hline 8X + 80 \\ X^2 + 10X \\ \hline X^2 + 18X + 80 \end{array} \end{array}$$

$$7) \quad 2(4 \times 1.3) + 2(1.3 \times .2) + 2(4 \times .2) = 1.04 + .52 + .16 = 1.72 \text{ sq. yds.}$$

$$8) \quad 3.4 \times 3.4 + 4(10 \times 3.4 \times 1/2) = 11.56 + 68 = 79.56 \text{ sq. in.}$$

$$9) \quad 2(10 \times 20) + 2(20 \times 5) + 2(10 \times 5) = 400 + 200 + 100 = 700 \text{ sq. ft.}$$

$$10) \quad 75 \div 100 = .75$$

$$11) \quad 5 \div 6 = .83$$

$$12) \quad 1 \div 4 = .25$$

$$13) \quad 4 \div 7 = .57$$

$$14) \quad 180$$

$$15) \quad 90$$

$$16) \quad 7:05 - 5:45 = 1:20$$

$$17) \quad 425 - 32 = 393$$

$$393 \times 5/9 = 218.33 \quad (220.1^\circ)$$

$$18) \quad 325\% = 3 \frac{25}{100} = 3.25$$

$$19) \quad 10 \times 2 = 20$$

$$2.00 = 200\%$$

$$20) \quad \frac{3}{8} \times \frac{1}{2} = \frac{3}{16}$$

26F

$$\begin{array}{r} 1) \quad 5:27 \\ - \underline{1:19} \\ 4:08 \end{array}$$

$$\begin{array}{r} 2) \quad 3:86 \\ - \underline{3:50} \\ :36 \end{array}$$

$$\begin{array}{r} 3) \quad 13:19 \\ + \underline{1:55} \\ 5:14 \end{array}$$

$$\begin{array}{r} 4) \quad \begin{array}{r} X + 6 \\ \times \quad X + 5 \\ \hline 5X + 30 \\ X^2 + 6X \\ \hline X^2 + 11X + 30 \end{array} \end{array}$$

$$\begin{array}{r} 5) \quad \begin{array}{r} X + 9 \\ \times \quad X + 2 \\ \hline 2X + 18 \\ X^2 + 9X \\ \hline X^2 + 11X + 18 \end{array} \end{array}$$

$$\begin{array}{r} 6) \quad \begin{array}{r} 3X + 1 \\ \times \quad X + 5 \\ \hline 15X + 5 \\ 3X^2 + X \\ \hline 3X^2 + 16X + 5 \end{array} \end{array}$$

$$7) \quad 2(6 \times 12) + 2(6 \times 3) + 2(12 \times 3) = 144 + 36 + 72 = 252 \text{ sq. yds.}$$

$$8) \quad 4.8 \times 4.8 + 4(4.8 \times 6.5 \times 1/2) = 23.04 + 62.4 = 85.44 \text{ sq. in.}$$

$$9) \quad 2(5 \times 8) + 2(5 \times 2.1) + 2(8 \times 2.1) = 80 + 21 + 33.6 = 134.6 \text{ sq. ft.}$$

$$10) \quad .50 = \frac{50}{100} = \frac{1}{2}$$

$$11) \quad \frac{35}{100} = \frac{7}{20}$$

$$12) \quad \frac{875}{1000} = \frac{175}{200} = \frac{35}{40} = \frac{7}{8}$$

$$13) \quad \frac{40}{100} = \frac{2}{5}$$

14) obtuse

15) acute

$$16) \quad 3:30 + 1:45 = 5:15$$

$$17) \quad 230 - 32 = 198$$

$$198 \times 5/9 = 110^\circ (110.9^\circ)$$

$$18) \quad 25 - 15 = 10 \text{ away games}$$

$$.40 \times 10 = 4 \text{ away games lost}$$

$$19) \quad 3.14 \times (28)^2 \times 48 =$$

$$118,164.48 \text{ cu. ft.}$$

$$20) \quad 9\frac{5}{8} + 6\frac{4}{8} = 15\frac{9}{8} = 16\frac{1}{8}$$

27A

1) done

2) done

$$3) \quad V = 1/3Bh$$

$$V = 1/3(10 \times 10)(40)$$

$$V = 1,333.33 \text{ cu. in.}$$

$$4) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(2^2)(6)$$

$$V = 25.12 \text{ cu. in.}$$

$$5) \quad V = 1/3Bh$$

$$V = 1/3(3.6 \times 3.6)(4)$$

$$V = 17.28 \text{ cu. ft.}$$

$$6) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(4.2^2)(9)$$

$$V = 166.17 \text{ cu. ft.}$$

$$7) \quad 1/3(2.5 \times 2.5)(4.5) =$$

$$9.38 \text{ cu. yd. rounded}$$

or:

$$\frac{1}{3} \times \frac{5}{2} \times \frac{5}{2} \times \frac{9}{2} =$$

$$\frac{225}{24} = 9\frac{3}{8} \text{ cu. yd.}$$

$$8) \quad 1/3(3.14)(4.5^2)(8) =$$

$$169.56 \text{ cu. in.}$$

27B

$$1) \quad V = 1/3Bh$$

$$V = 1/3(3.5 \times 3.5)(3.5)$$

$$V = 14.30 \text{ cu. yds.}$$

$$2) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(3.4^2)(7)$$

$$V = 84.70 \text{ cu. in.}$$

$$3) \quad V = 1/3Bh$$

$$V = 1/3(5 \times 5)(6)$$

$$V = 50 \text{ cu. in.}$$

$$4) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(5^2)(8)$$

$$V = 209.33 \text{ cu. in.}$$

$$5) \quad V = 1/3Bh$$

$$V = 1/3(2.4 \times 2.4)(5)$$

$$V = 9.6 \text{ cu. ft.}$$

$$6) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(11^2)(14.3)$$

$$V = 1,811.05 \text{ cu. ft.}$$

$$7) \quad 1/3(3 \times 3)(4) = 12 \text{ cu. yds.}$$

$$8) \quad 1/3(3.14)(2^2)(5) =$$

$$20.93 \text{ cu. in.}$$

27C

$$1) \quad V = 1/3Bh$$

$$V = 1/3(60 \times 60)(50)$$

$$V = 60,000 \text{ cu. ft.}$$

$$2) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(62^2)(52)$$

$$V = 209,216.11 \text{ cu. ft.}$$

$$3) \quad V = 1/3Bh$$

$$V = 1/3(1 \times 1)(9)$$

$$V = 3 \text{ cu. in.}$$

$$4) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(8^2)(12.4)$$

$$V = 830.63 \text{ cu. in.}$$

$$5) \quad V = 1/3Bh$$

$$V = 1/3(4.8 \times 4.8)(10)$$

$$V = 76.8 \text{ cu. ft.}$$

$$6) \quad V = 1/3Bh$$

$$V = 1/3(3.14)(14^2)(17)$$

$$V = 3,487.49 \text{ cu. ft.}$$

$$7) \quad 6 \times 6 \times 6 = 216 \text{ cu. in.}$$

$$1/3(6 \times 6)(6) =$$

$$72 \text{ cu. in.}$$

$$8) \quad 1/3(3.14)(3^2)(6) =$$

$$56.52 \text{ cu. in.}$$