

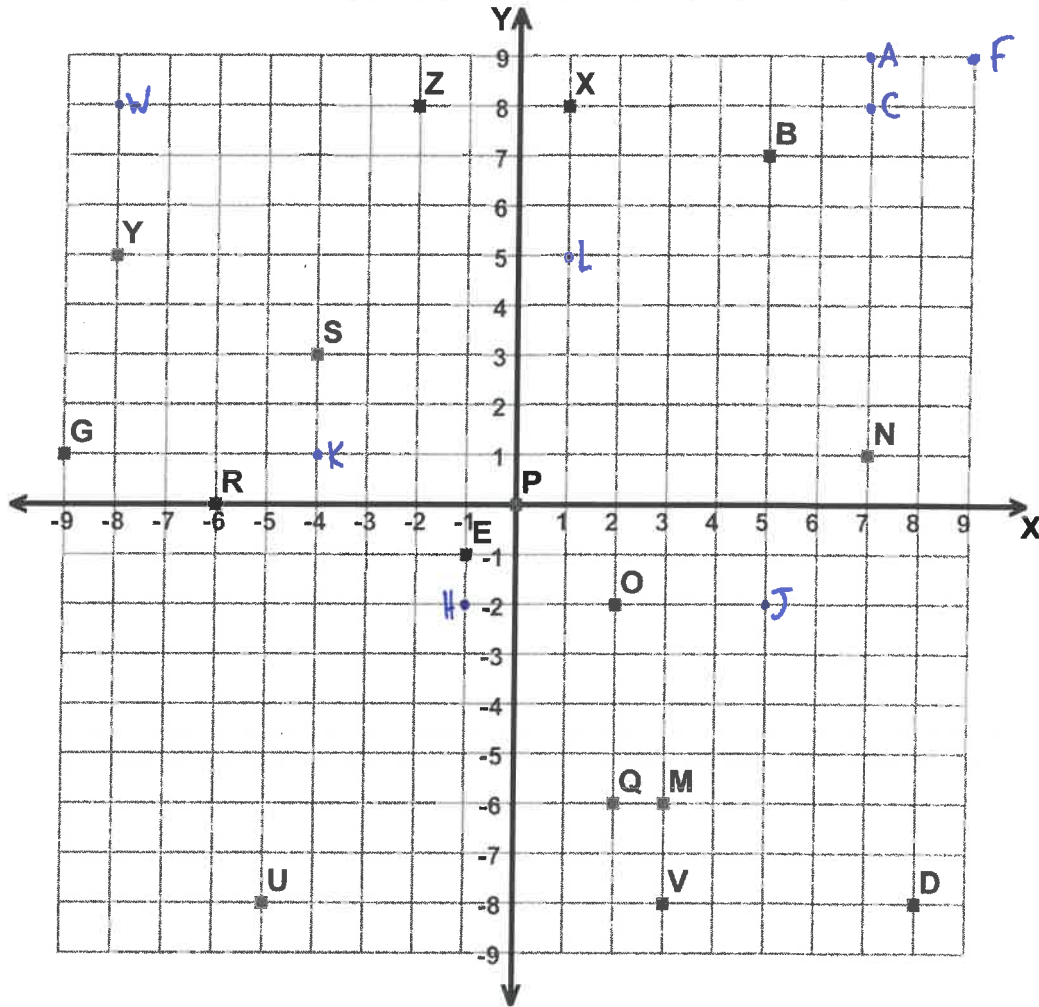
Name : ANSWER KEY

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Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

### Four Quadrant Ordered Pairs



Tell what point is located at each ordered pair.

- 1)  $(-6,+0)$  R      3)  $(+2,-6)$  Q      5)  $(-4,+3)$  S      7)  $(+7,+1)$  N  
2)  $(-2,+8)$  Z      4)  $(+5,+7)$  B      6)  $(+2,-2)$  O      8)  $(-8,+5)$  Y

Write the ordered pair for each given point.

- 9) X (1, 8)      11) P (0, 0)      13) U (-5, -8)      15) G (-9, 1)  
10) D (8, -8)      12) E (-1, -1)      14) V (3, -8)      16) M (3, -6)

Plot the following points on the coordinate grid.

- 17) H  $(-1,-2)$       19) L  $(+1,+5)$       21) F  $(+9,+9)$       23) A  $(+7,+9)$   
18) K  $(-4,+1)$       20) J  $(+5,-2)$       22) C  $(+7,+8)$       24) W  $(-8,+8)$



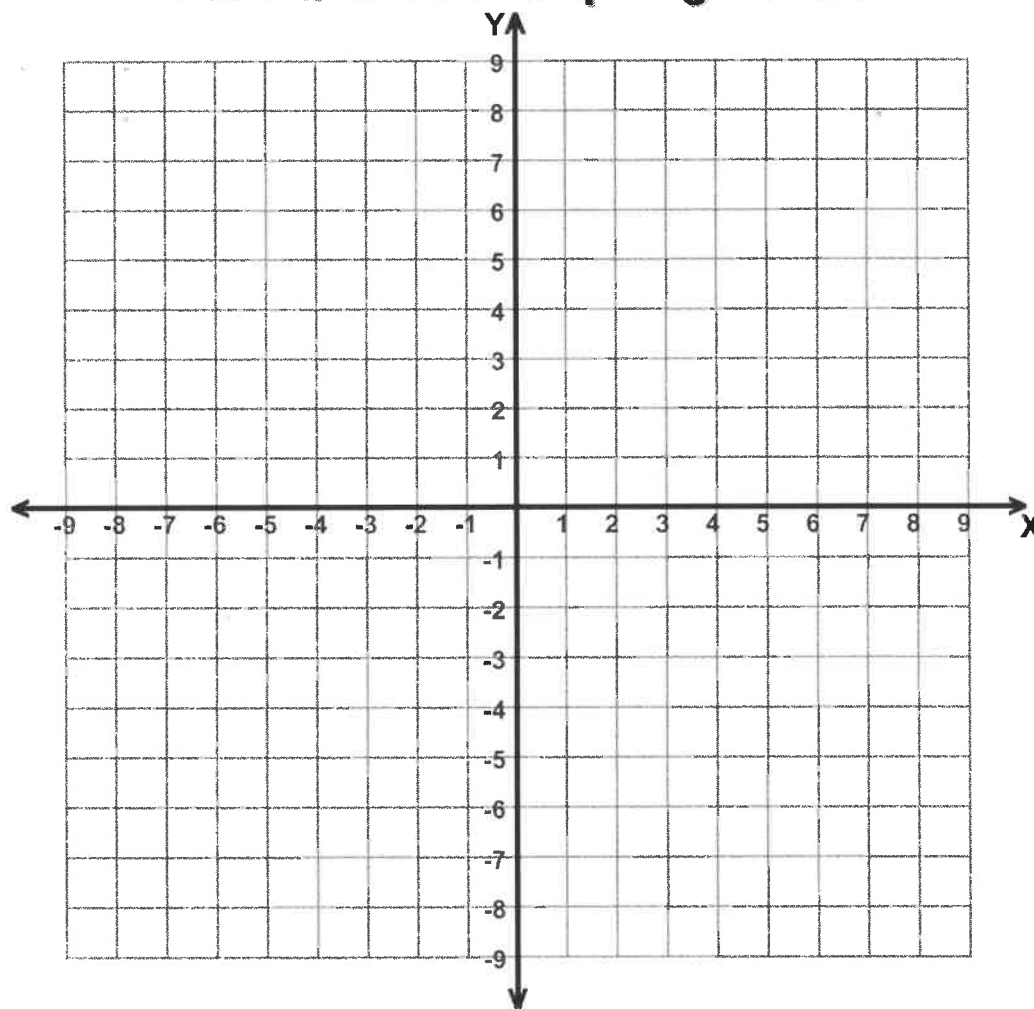
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### Four Quadrant Graphing Puzzle



Connect each sequence of points with a line.

(2,3) , (5,7) , (7,8) , (9,6) , (9,4) , (6,1) , (7,-1) , (8,-2) , (8,-5) , (6,-6) , (3,-5) , (2,-3) , (2,3) End of Sequence

(1,3) , (-2,7) , (-4,8) , (-6,6) , (-6,4) , (-3,1) , (-4,-1) , (-5,-2)

(-5,-5) , (-3,-6) , (0,-5) , (1,-3) , (1,3) End of Sequence

(3,1) , (5,2) , (8,5) , (7,6) , (6,6) , (4,3) , (3,1) End of Sequence

(0,1) , (-2,2) , (-5,5) , (-4,6) , (-3,6) , (-1,3) , (0,1) End of Sequence

(-2,-2) , (-4,-4) , (-3,-5) , (-2,-2) End of Sequence

(6,-5) , (7,-4) , (5,-2) , (6,-5) End of Sequence

(1,4) , (2,4) , (2,-4) , (1,5,-5) , (1,-4) , (1,4) End of Sequence

(2,4) , (3,7) , (4,8) End of Sequence

(1,4) , (0,7) , (-1,8) End of Sequence

What is the shape ? \_\_\_\_\_



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**Arrange and Write the Integers in Increasing Order**

1 ) 7 87 -88 96  
-88, 7, 87, 96

2 ) -84 25 62 -30  
-84, -30, 25, 62

3 ) 70 -57 -32 89  
-57, -32, 70, 89

4 ) -26 15 -30 -66  
-66, -30, -26, 15

5 ) -46 -74 -89 79  
-89, -74, -46, 79

6 ) -41 2 48 -1  
-41, -1, 2, 48

7 ) 75 -23 -46 -34  
-46, -34, -23, 75

8 ) -33 86 99 -8  
-33, -8, 86, 99

9 ) -22 71 -90 -29  
-90, -29, -22, 71

10 ) 32 27 -65 26  
-65, 26, 27, 32

11 ) -8 48 67 -87  
-87, -8, 48, 67

12 ) 21 94 -5 58  
-5, 21, 58, 94

13 ) -77 37 -5 48  
-77, -5, 37, 48

14 ) -47 -8 10 97  
-47, -8, 10, 97

15 ) 76 68 78 -10  
-10, 68, 76, 78

16 ) -93 83 49 -4  
-93, -4, 49, 83

17 ) 22 -17 -21 9  
-21, -17, 9, 22

18 ) -45 60 -53 54  
-53, -45, 54, 60

19 ) -37 -40 -96 29  
-96, -40, -37, 29

20 ) 66 -36 -30 -52  
-52, -36, -30, 66



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1 )  $(+25) + (-15) = +10$

2 )  $(-66) + (+36) = -30$

3 )  $(-19) + (-40) = -59$

4 )  $(+2) + (-11) = -9$

5 )  $(+21) + (+56) = +77$

6 )  $(+30) + (+17) = +47$

7 )  $(+77) + (-44) = +33$

8 )  $(-30) + (-46) = -76$

9 )  $(+27) + (+62) = +89$

10)  $(-42) + (-56) = -98$

11)  $(+64) + (+1) = +65$

12)  $(-92) + (+93) = +1$

13)  $(-22) + (+62) = +40$

14)  $(+24) + (+12) = +36$

15)  $(-59) + (+12) = -47$

16)  $(+51) + (-43) = +8$

17)  $(+70) + (+80) = +150$

18)  $(+40) + (-31) = +9$

19)  $(-79) + (+48) = -31$

20)  $(+12) + (-50) = -38$

21)  $(+30) + (+8) = +38$

22)  $(-19) + (-66) = -85$

23)  $(-39) + (-33) = -72$

24)  $(-34) + (-71) = -105$

25)  $(-32) + (-42) = -74$

26)  $(-61) + (-26) = -87$

27)  $(-85) + (+86) = +1$

28)  $(+81) + (-57) = +24$

29)  $(+31) + (+14) = +45$

30)  $(-79) + (+37) = -42$



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$$1) (-6) - (-7) = +1$$

$$2) (-9) - (+1) = -10$$

$$3) (+1) - (+6) = -5$$

$$4) (+7) - (+8) = -1$$

$$5) (-6) - (-4) = -2$$

$$6) (+9) - (+9) = 0$$

$$7) (+1) - (-4) = +5$$

$$8) (+5) - (-2) = +7$$

$$9) (-5) - (+5) = -10$$

$$10) (+7) - (-9) = +16$$

$$11) (-7) - (+1) = -8$$

$$12) (+8) - (-2) = +10$$

$$13) (-1) - (-4) = +3$$

$$14) (-5) - (-2) = -3$$

$$15) (+9) - (+4) = +5$$

$$16) (+5) - (+5) = 0$$

$$17) (-8) - (+9) = -17$$

$$18) (+1) - (+3) = -2$$

$$19) (-5) - (-5) = 0$$

$$20) (+8) - (+1) = +7$$

$$21) (-2) - (-9) = +7$$

$$22) (-8) - (+8) = -16$$

$$23) (-8) - (-4) = -4$$

$$24) (-9) - (+8) = -17$$

$$25) (+8) - (-8) = +16$$

$$26) (+6) - (-4) = +10$$

$$27) (+3) - (-9) = +12$$

$$28) (-8) - (-1) = -7$$

$$29) (-6) - (+6) = -12$$

$$30) (+5) - (+1) = +4$$



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$$1) (-2) \times (+3) = -6$$

$$2) (0) \times (+4) = 0$$

$$3) (+5) \times (+3) = +15$$

$$4) (-8) \times (+7) = -42$$

$$5) (+5) \times (-9) = -45$$

$$6) (+3) \times (+9) = +27$$

$$7) (+3) \times (-2) = -6$$

$$8) (-7) \times (-3) = +21$$

$$9) (-6) \times (+6) = -36$$

$$10) (-8) \times (-8) = +64$$

$$11) (-4) \times (+5) = -20$$

$$12) (+5) \times (+6) = +30$$

$$13) (+7) \times (-3) = -21$$

$$14) (+7) \times (+1) = +7$$

$$15) (+1) \times (+8) = +8$$

$$16) (-6) \times (0) = 0$$

$$17) (+1) \times (-8) = -8$$

$$18) (+8) \times (0) = 0$$

$$19) (-7) \times (+5) = -35$$

$$20) (+7) \times (+4) = +28$$

$$21) (+1) \times (+5) = +5$$

$$22) (+6) \times (+5) = +30$$

$$23) (-2) \times (+3) = -6$$

$$24) (-7) \times (0) = 0$$

$$25) (+6) \times (+5) = +30$$

$$26) (-6) \times (+9) = -54$$

$$27) (+4) \times (+7) = +28$$

$$28) (+4) \times (+2) = +8$$

$$29) (-1) \times (-5) = +5$$

$$30) (0) \times (-7) = 0$$



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$$1) (-16) \div (+8) = -2$$

$$2) (-20) \div (-10) = +2$$

$$3) (-54) \div (-9) = +6$$

$$4) (+10) \div (+2) = +5$$

$$5) (-44) \div (+11) = -4$$

$$6) (-48) \div (+8) = -6$$

$$7) (+99) \div (+11) = +9$$

$$8) (+48) \div (+6) = +8$$

$$9) (-12) \div (+3) = -4$$

$$10) (+100) \div (+10) = +10$$

$$11) (+88) \div (+8) = +11$$

$$12) (+110) \div (+11) = +10$$

$$13) (+100) \div (+10) = +10$$

$$14) (-81) \div (+9) = -9$$

$$15) (+18) \div (+2) = +9$$

$$16) (+35) \div (+7) = +5$$

$$17) (-70) \div (+10) = -7$$

$$18) (-48) \div (+8) = -6$$

$$19) (+35) \div (-5) = -7$$

$$20) (-40) \div (+5) = -8$$

$$21) (-40) \div (+4) = -10$$

$$22) (-16) \div (+4) = -4$$

$$23) (+30) \div (+3) = +10$$

$$24) (+66) \div (+11) = +6$$

$$25) (+56) \div (+8) = +7$$

$$26) (+10) \div (-2) = -5$$

$$27) (+6) \div (+3) = +2$$

$$28) (+16) \div (+2) = +8$$

$$29) (+30) \div (+5) = +6$$

$$30) (-40) \div (-10) = +4$$



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## Order of Operations

$$\begin{aligned} 1) & (11 + 2) \times 9 + 3 \\ & 13 \times 9 + 3 \\ & 117 + 3 \\ & = 120 \end{aligned}$$

$$\begin{aligned} 6) & (18 + 7) \times 10 - 3 \\ & 25 \times 10 - 3 \\ & 250 - 3 \\ & = 247 \end{aligned}$$

$$\begin{aligned} 2) & 8 \times 4 + (9 - 8) \\ & 8 \times 4 + 1 \\ & 32 + 1 \\ & = 33 \end{aligned}$$

$$\begin{aligned} 7) & 8 \times 12 + (2 - 6) \\ & 8 \times 12 + (-4) \\ & 96 + (-4) \\ & = 92 \end{aligned}$$

$$\begin{aligned} 3) & (14 + 2) + 10 \times 5 \\ & 16 + 10 \times 5 \\ & 16 + 50 \\ & = 66 \end{aligned}$$

$$\begin{aligned} 8) & (11 + 3) + 8 \times 2 \\ & 14 + 8 \times 2 \\ & 14 + 16 \\ & = 30 \end{aligned}$$

$$\begin{aligned} 4) & (14 + 16 - 2) \times 4 \\ & (30 - 2) \times 4 \\ & 28 \times 4 \\ & = 112 \end{aligned}$$

$$\begin{aligned} 9) & (8 + 26 - 6) \times 2 \\ & (34 - 6) \times 2 \\ & 28 \times 2 \\ & = 56 \end{aligned}$$

$$\begin{aligned} 5) & (14 + 6) \times (9 - 3) \\ & 20 \times (9 - 3) \\ & 20 \times 6 \\ & = 120 \end{aligned}$$

$$\begin{aligned} 10) & (12 + 3) \times (14 - 5) \\ & 15 \times (14 - 5) \\ & 15 \times 9 \\ & = 135 \end{aligned}$$





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## Order of Operations

$$\begin{aligned} 1) & (11 + 3) \times (13 - 2) + 10 \\ & 14 \times (13 - 2) + 10 \\ & 14 \times 11 + 10 \\ & 154 + 10 \\ & = 164 \end{aligned}$$

$$\begin{aligned} 6) & (16 - 5) + (6 - 15 \div 3) \\ & 11 + (6 - 15 \div 3) \\ & 11 + (6 - 5) \\ & 11 + 1 \\ & = 12 \end{aligned}$$

$$\begin{aligned} 2) & 9 \times (2 \times 9 + 9) - 8 \\ & 9 \times (18 + 9) - 8 \\ & 9 \times 27 - 8 \\ & 243 - 8 \\ & = 235 \end{aligned}$$

$$\begin{aligned} 7) & (11 + 43 - 4) \div (9 - 4) \\ & 50 \div (9 - 4) \\ & 50 \div 5 \\ & = 10 \end{aligned}$$

$$\begin{aligned} 3) & (13 + 5) + (7 + 16 \div 8) \\ & 18 + (7 + 16 \div 8) \\ & 18 + (7 + 2) \\ & 18 + 9 \\ & = 27 \end{aligned}$$

$$\begin{aligned} 8) & (12 + 3) \times (10 - 4) + 10 \\ & 15 \times (10 - 4) + 10 \\ & 15 \times 6 + 10 \\ & 90 + 10 \\ & = 100 \end{aligned}$$

$$\begin{aligned} 4) & (9 + 25 - 6) \div 4 + 5 \\ & 28 \div 4 + 5 \\ & 7 + 5 \\ & = 12 \end{aligned}$$

$$\begin{aligned} 9) & (10 + 46 - 6) \div (7 + 3) \\ & 50 \div (7 + 3) \\ & 50 \div 10 \\ & = 5 \end{aligned}$$

$$\begin{aligned} 5) & (8 + 57 - 5) \div 5 + 2 \\ & 60 \div 5 + 2 \\ & 12 + 2 \\ & = 14 \end{aligned}$$

$$\begin{aligned} 10) & 10 \times (5 \times 4 + 2) - 5 \\ & 10 \times (20 + 2) - 5 \\ & 10 \times 22 - 5 \\ & 220 - 5 \\ & = 215 \end{aligned}$$



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Write the Correct Comparison Symbol (  $>$ ,  $<$  or  $=$  ) in Each Box

1 ) 1.97  $<$  2

11 ) 6.9  $<$  6.92

2 ) 2.57  $>$  0.257

12 ) 0.92  $>$  0.092

3 ) 9.78  $>$  9.75

13 ) 3.4  $<$  3.43

4 ) 8.98  $>$  0.898

14 ) 3.41  $<$  3.47

5 ) 10.07  $>$  1.007

15 ) 0.17  $<$  0.21

6 ) 8.33  $>$  0.833

16 ) 1.26  $>$  1.24

7 ) 5.69  $=$  5.69

17 ) 1.54  $>$  0.154

8 ) 7.61  $>$  0.761

18 ) 4.03  $<$  4.08

9 ) 8.02  $<$  8.08

19 ) 6.97  $>$  6.96

10 ) 6.61  $>$  6.58

20 ) 9.06  $>$  0.906



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$$\begin{array}{r} 9.93 \\ +6.18 \\ \hline 16.11 \end{array}$$

$$\begin{array}{r} 7.97 \\ +5.21 \\ \hline 13.18 \end{array}$$

$$\begin{array}{r} 1.45 \\ +1.32 \\ \hline 2.77 \end{array}$$

$$\begin{array}{r} 2.16 \\ +4.91 \\ \hline 7.07 \end{array}$$

$$\begin{array}{r} 2.88 \\ +3.69 \\ \hline 6.57 \end{array}$$

$$\begin{array}{r} 1.97 \\ +7.61 \\ \hline 9.58 \end{array}$$

$$\begin{array}{r} 8.59 \\ +2.18 \\ \hline 10.77 \end{array}$$

$$\begin{array}{r} 1.84 \\ +9.44 \\ \hline 11.28 \end{array}$$

$$\begin{array}{r} 8.33 \\ +2.24 \\ \hline 10.57 \end{array}$$

$$\begin{array}{r} 7.23 \\ +1.29 \\ \hline 8.52 \end{array}$$

$$\begin{array}{r} 7.64 \\ +4.58 \\ \hline 12.22 \end{array}$$

$$\begin{array}{r} 8.31 \\ +3.94 \\ \hline 12.25 \end{array}$$

$$\begin{array}{r} 9.45 \\ +7.57 \\ \hline 17.02 \end{array}$$

$$\begin{array}{r} 3.98 \\ +2.15 \\ \hline 6.13 \end{array}$$

$$\begin{array}{r} 3.57 \\ +6.15 \\ \hline 9.72 \end{array}$$

$$\begin{array}{r} 2.95 \\ +2.68 \\ \hline 5.63 \end{array}$$

$$\begin{array}{r} 6.36 \\ +1.81 \\ \hline 8.17 \end{array}$$

$$\begin{array}{r} 7.61 \\ +6.19 \\ \hline 13.80 \end{array}$$

$$\begin{array}{r} 3.91 \\ +3.99 \\ \hline 7.90 \end{array}$$

$$\begin{array}{r} 8.27 \\ +4.55 \\ \hline 12.82 \end{array}$$

$$\begin{array}{r} 2.33 \\ +6.17 \\ \hline 8.50 \end{array}$$

$$\begin{array}{r} 3.67 \\ +2.31 \\ \hline 5.98 \end{array}$$

$$\begin{array}{r} 9.68 \\ +2.45 \\ \hline 12.13 \end{array}$$

$$\begin{array}{r} 8.15 \\ +2.55 \\ \hline 10.70 \end{array}$$

$$\begin{array}{r} 6.31 \\ +6.53 \\ \hline 12.84 \end{array}$$

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$$\begin{array}{r} 66.23 \\ - 12.14 \\ \hline 54.09 \end{array}$$

$$\begin{array}{r} 97.58 \\ - 79.25 \\ \hline 18.33 \end{array}$$

$$\begin{array}{r} 87.25 \\ - 26.89 \\ \hline 60.36 \end{array}$$

$$\begin{array}{r} 61.25 \\ - 48.57 \\ \hline 12.68 \end{array}$$

$$\begin{array}{r} 73.27 \\ - 18.62 \\ \hline 54.65 \end{array}$$

$$\begin{array}{r} 48.48 \\ - 40.67 \\ \hline 7.81 \end{array}$$

$$\begin{array}{r} 26.61 \\ - 20.53 \\ \hline 6.08 \end{array}$$

$$\begin{array}{r} 77.35 \\ - 66.36 \\ \hline 10.99 \end{array}$$

$$\begin{array}{r} 21.79 \\ - 20.27 \\ \hline 1.52 \end{array}$$

$$\begin{array}{r} 48.11 \\ - 18.64 \\ \hline 29.47 \end{array}$$

$$\begin{array}{r} 92.85 \\ - 66.51 \\ \hline 26.34 \end{array}$$

$$\begin{array}{r} 42.69 \\ - 15.63 \\ \hline 27.06 \end{array}$$

$$\begin{array}{r} 76.38 \\ - 14.12 \\ \hline 62.26 \end{array}$$

$$\begin{array}{r} 80.99 \\ - 14.38 \\ \hline 66.61 \end{array}$$

$$\begin{array}{r} 62.37 \\ - 35.36 \\ \hline 27.01 \end{array}$$

$$\begin{array}{r} 37.37 \\ - 32.89 \\ \hline 4.48 \end{array}$$

$$\begin{array}{r} 89.69 \\ - 66.97 \\ \hline 22.72 \end{array}$$

$$\begin{array}{r} 30.91 \\ - 14.27 \\ \hline 16.64 \end{array}$$

$$\begin{array}{r} 99.83 \\ - 90.77 \\ \hline 9.06 \end{array}$$

$$\begin{array}{r} 91.25 \\ - 20.72 \\ \hline 70.53 \end{array}$$

Estimate the answer, and then find the exact answer.



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$$\begin{array}{r} 8.1 \\ \times 3.7 \\ \hline 29.97 \end{array}$$

$$\begin{array}{r} 1.8 \\ \times 1.9 \\ \hline 3.42 \end{array}$$

$$\begin{array}{r} 2.2 \\ \times 2.3 \\ \hline 5.06 \end{array}$$

$$\begin{array}{r} 5.2 \\ \times 1.4 \\ \hline 7.28 \end{array}$$

$$\begin{array}{r} 8.7 \\ \times 3.3 \\ \hline 28.71 \end{array}$$

$$\begin{array}{r} 5.1 \\ \times 3.2 \\ \hline 16.32 \end{array}$$

$$\begin{array}{r} 1.1 \\ \times 5.9 \\ \hline 6.49 \end{array}$$

$$\begin{array}{r} 4.3 \\ \times 1.7 \\ \hline 7.31 \end{array}$$

$$\begin{array}{r} 3.3 \\ \times 9.1 \\ \hline 30.03 \end{array}$$

$$\begin{array}{r} 8.1 \\ \times 7.4 \\ \hline 59.94 \end{array}$$

$$\begin{array}{r} 4.4 \\ \times 4.7 \\ \hline 20.68 \end{array}$$

$$\begin{array}{r} 4.7 \\ \times 8.1 \\ \hline 38.07 \end{array}$$

$$\begin{array}{r} 2.3 \\ \times 1.8 \\ \hline 4.14 \end{array}$$

$$\begin{array}{r} 1.8 \\ \times 8.2 \\ \hline 14.76 \end{array}$$

$$\begin{array}{r} 8.5 \\ \times 5.2 \\ \hline 44.20 \end{array}$$

$$\begin{array}{r} 4.4 \\ \times 7.1 \\ \hline 31.24 \end{array}$$

$$\begin{array}{r} 5.9 \\ \times 3.4 \\ \hline 20.06 \end{array}$$

$$\begin{array}{r} 9.7 \\ \times 1.3 \\ \hline 12.61 \end{array}$$

$$\begin{array}{r} 8.6 \\ \times 1.8 \\ \hline 15.48 \end{array}$$

$$\begin{array}{r} 4.8 \\ \times 4.6 \\ \hline 22.08 \end{array}$$

$$\begin{array}{r} 1.1 \\ \times 7.4 \\ \hline 8.14 \end{array}$$

$$\begin{array}{r} 1.6 \\ \times 5.8 \\ \hline 9.28 \end{array}$$

$$\begin{array}{r} 5.2 \\ \times 4.5 \\ \hline 23.40 \end{array}$$

$$\begin{array}{r} 2.9 \\ \times 7.1 \\ \hline 20.59 \end{array}$$

$$\begin{array}{r} 3.1 \\ \times 9.8 \\ \hline 30.38 \end{array}$$

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Solve each division problem. Write out any remainders in decimal form.

$$9 \overline{) 1.17} \quad \begin{array}{r} 0.13 \\ 9 \overline{) 1.17} \end{array}$$

$$7 \overline{) 1.12} \quad \begin{array}{r} 0.16 \\ 7 \overline{) 1.12} \end{array}$$

$$3 \overline{) 6.33} \quad \begin{array}{r} 2.11 \\ 3 \overline{) 6.33} \end{array}$$

$$5 \overline{) 6.80} \quad \begin{array}{r} 1.36 \\ 5 \overline{) 6.80} \end{array}$$

$$7 \overline{) 9.85} \quad \begin{array}{r} 1.407 \\ 7 \overline{) 9.85} \end{array}$$

$$9 \overline{) 3.80} \quad \begin{array}{r} 0.4\bar{2} \\ 9 \overline{) 3.80} \end{array}$$

$$5 \overline{) 5.14} \quad \begin{array}{r} 1.028 \\ 5 \overline{) 5.14} \end{array}$$

$$4 \overline{) 6.80} \quad \begin{array}{r} 1.70 \\ 4 \overline{) 6.80} \end{array}$$

$$3 \overline{) 3.02} \quad \begin{array}{r} 1.00\bar{6} \\ 3 \overline{) 3.02} \end{array}$$

$$7 \overline{) 8.65} \quad \begin{array}{r} 1.235 \\ 7 \overline{) 8.65} \end{array}$$

$$2 \overline{) 9.23} \quad \begin{array}{r} 4.615 \\ 2 \overline{) 9.23} \end{array}$$

$$9 \overline{) 3.78} \quad \begin{array}{r} 0.42 \\ 9 \overline{) 3.78} \end{array}$$

$$8 \overline{) 7.45} \quad \begin{array}{r} 0.931 \\ 8 \overline{) 7.45} \end{array}$$

$$2 \overline{) 5.02} \quad \begin{array}{r} 2.51 \\ 2 \overline{) 5.02} \end{array}$$

$$6 \overline{) 1.14} \quad \begin{array}{r} 0.19 \\ 6 \overline{) 1.14} \end{array}$$

$$4 \overline{) 7.79} \quad \begin{array}{r} 1.9475 \\ 4 \overline{) 7.79} \end{array}$$

$$2 \overline{) 8.43} \quad \begin{array}{r} 4.215 \\ 2 \overline{) 8.43} \end{array}$$

$$3 \overline{) 2.42} \quad \begin{array}{r} 0.80\bar{6} \\ 3 \overline{) 2.42} \end{array}$$

$$5 \overline{) 6.60} \quad \begin{array}{r} 1.32 \\ 5 \overline{) 6.60} \end{array}$$

$$8 \overline{) 1.06} \quad \begin{array}{r} 0.1325 \\ 8 \overline{) 1.06} \end{array}$$

$$6 \overline{) 2.58} \quad \begin{array}{r} 0.43 \\ 6 \overline{) 2.58} \end{array}$$



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Convert Between Fractions and Decimals Numbers.

1)  $\frac{1}{4} = 0.25$

11)  $0.167 = \frac{167}{1000}$

2)  $\frac{1}{4} = 0.25$

12)  $0.5 = \frac{5}{10}$

3)  $\frac{1}{5} = 0.2$

13)  $0.667 = \frac{2}{3}$

4)  $\frac{1}{3} = 0.33$

14)  $0.333 = \frac{1}{3}$

5)  $\frac{3}{10} = 0.3$

15)  $0.2 = \frac{2}{10}$

6)  $\frac{1}{5} = 0.2$

16)  $0.333 = \frac{1}{3}$

7)  $\frac{9}{10} = 0.9$

17)  $0.125 = \frac{125}{1000}$

8)  $\frac{4}{6} = 0.66$

18)  $0.25 = \frac{1}{4}$

9)  $\frac{5}{8} = 0.625$

19)  $0.7 = \frac{7}{10}$

10)  $\frac{3}{4} = 0.75$

20)  $0.333 = \frac{1}{3}$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

### Common Percent Table

Fraction	Decimal	Percent
$\frac{1}{20}$	0.05	5%
$\frac{1}{10}$	0.1	10 %
$\frac{1}{5}$	0.2	20%
$\frac{1}{4}$	0.25	25 %
$\frac{3}{10}$	0.3	30 %
$\frac{4}{10}$	0.4	40 %
$\frac{1}{2}$	0.5	50%
$\frac{3}{5}$	0.6	60%
$\frac{7}{10}$	0.7	70 %
$\frac{3}{4}$	0.75	75%
$\frac{4}{5}$	0.8	80%
$\frac{9}{10}$	0.9	90 %





Name : \_\_\_\_\_

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## Converting Between Percents, Decimals, and Fractions

### Convert Decimal to Percent

$0.69 = 69\%$

$0.95 = 95\%$

$0.05 = 5\%$

$0.71 = 71\%$

$0.13 = 13\%$

$0.89 = 89\%$

### Convert Percent to Decimal

$88\% = 0.88$

$84\% = 0.84$

$35\% = 0.35$

$50\% = 0.5$

$55\% = 0.55$

$78\% = 0.78$

### Convert Decimal to Fraction

$0.9 = \frac{9}{10}$

$0.14 = \frac{14}{100}$

$0.77 = \frac{77}{100}$

$0.36 = \frac{36}{100}$

$0.76 = \frac{76}{100}$

$0.26 = \frac{26}{100}$

### Convert Fraction to Decimal

$\frac{10}{20} = 0.5$

$\frac{34}{50} = 0.68$

$\frac{10}{20} = 0.5$

$\frac{1}{10} = 0.1$

$\frac{15}{20} = 0.75$

$\frac{3}{10} = 0.3$

### Convert Fraction to Percent

$\frac{4}{20} = 20\%$

$\frac{16}{20} = 80\%$

$\frac{7}{25} = 28\%$

$\frac{39}{50} = 78\%$

$\frac{4}{10} = 40\%$

$\frac{5}{50} = 10\%$

### Convert Percent to Fraction

$93\% = \frac{93}{100}$

$37\% = \frac{37}{100}$

$38\% = \frac{38}{100}$

$88\% = \frac{88}{100}$

$84\% = \frac{84}{100}$

$77\% = \frac{77}{100}$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

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Date : \_\_\_\_\_

### Percentage Calculations

Round your answer to two decimal places.

1 )  $83\% \times 61 = \underline{50.63}$

6 )  $27\% \times 66 = \underline{17.82}$

2 )  $83\% \times 66 = \underline{54.78}$

7 )  $97\% \times 75 = \underline{72.75}$

3 )  $26\% \times 74 = \underline{19.24}$

8 )  $10\% \times 10 = \underline{1}$

4 )  $3\% \times 56 = \underline{1.68}$

9 )  $76\% \times 44 = \underline{33.44}$

5 )  $2\% \times 73 = \underline{1.46}$

10 )  $2\% \times 51 = \underline{1.02}$



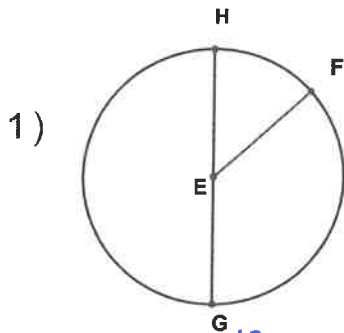
Name : \_\_\_\_\_

Score : \_\_\_\_\_

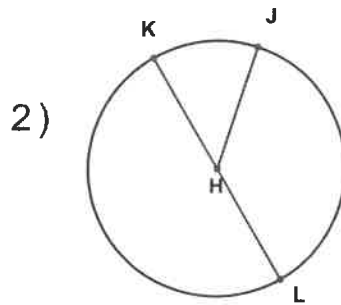
Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

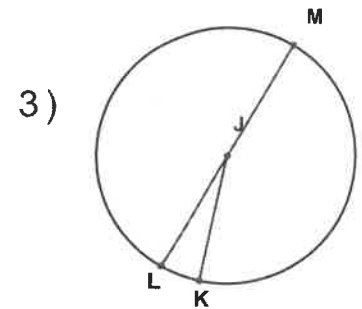
Solve the missing elements for each problem. Use 3.14 for  $\pi$ . Area =  $\pi r^2$ ; C =  $\pi D$



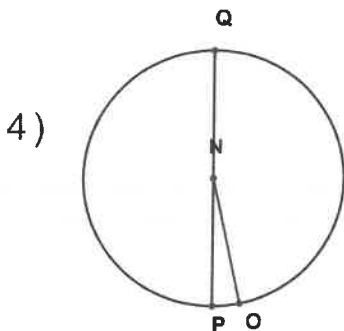
Radius: 18 cm  
Diameter: 36 cm  
Circumference: 113.04 cm  
Area: 1017.36 cm<sup>2</sup>



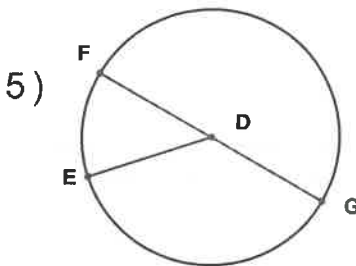
Radius: 14 mm  
Diameter: 28 mm  
Circumference: 87.92 mm  
Area: 615.44 mm<sup>2</sup>



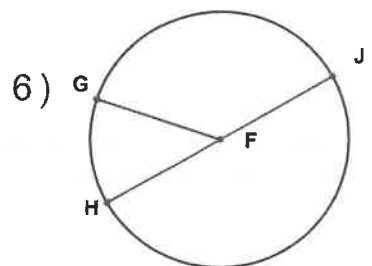
Radius: 9 cm  
Diameter: 18 cm  
Circumference: 56.52 cm  
Area: 254.34 cm<sup>2</sup>



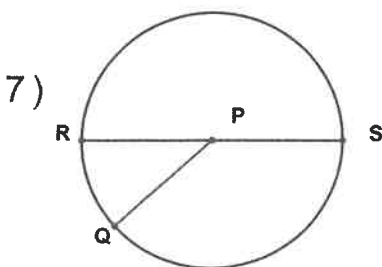
Radius: 13 mm  
Diameter: 26 mm  
Circumference: 81.64 mm  
Area: 530.66 mm<sup>2</sup>



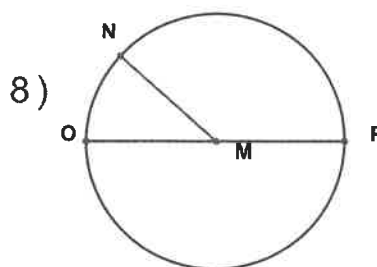
Radius: 12 cm  
Diameter: 24 cm  
Circumference: 75.36 cm  
Area: 452.16 cm<sup>2</sup>



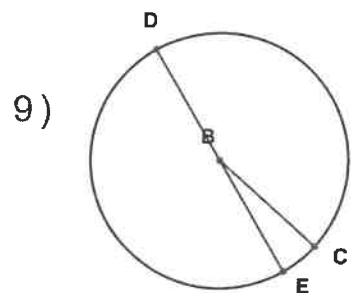
Radius: 7 mm  
Diameter: 14 mm  
Circumference: 43.96 mm  
Area: 153.86 mm<sup>2</sup>



Radius: 11 cm  
Diameter: 22 cm  
Circumference: 69.08 cm  
Area: 379.94 cm<sup>2</sup>



Radius: 16 mm  
Diameter: 32 mm  
Circumference: 100.48 mm  
Area: 803.84 mm<sup>2</sup>



Radius: 5 cm  
Diameter: 10 cm  
Circumference: 31.4 cm  
Area: 78.5 cm<sup>2</sup>



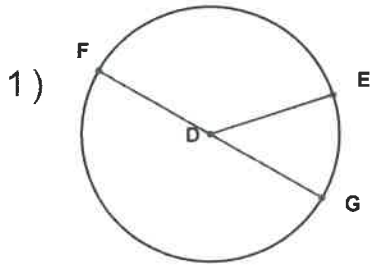
Name : \_\_\_\_\_

Score : \_\_\_\_\_

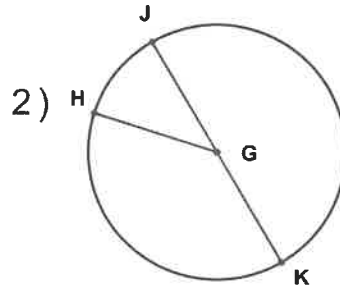
Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

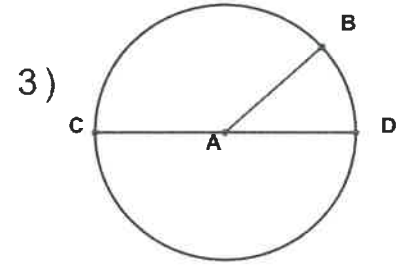
Solve the missing elements for each problem. Use 3.14 for  $\pi$ . Area =  $\pi r^2$ ; C =  $\pi D$



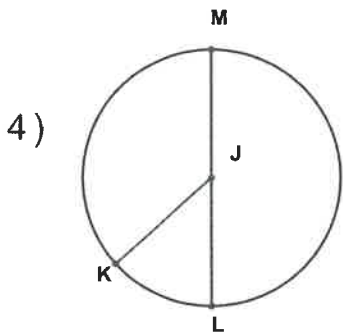
Radius: 6 cm  
Diameter: 12 cm  
Circumference: 37.68 cm  
Area: 113.04 cm<sup>2</sup>



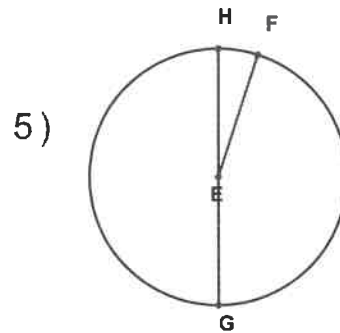
Radius: 9 mm  
Diameter: 18 mm  
Circumference: 56.52 mm  
Area: 254.34 mm<sup>2</sup>



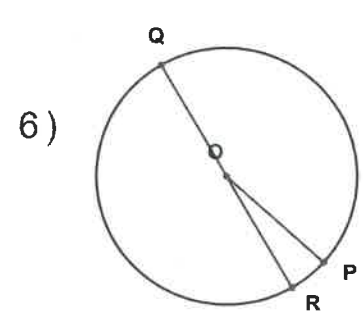
Radius: 10 cm  
Diameter: 20 cm  
Circumference: 62.8 cm  
Area: 314 cm<sup>2</sup>



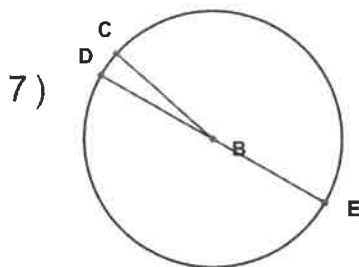
Radius: 8 mm  
Diameter: 16 mm  
Circumference: 50.24 mm  
Area: 200.96 mm<sup>2</sup>



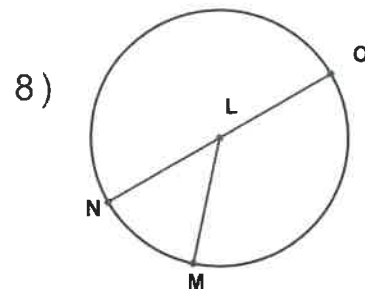
Radius: 12 cm  
Diameter: 24 cm  
Circumference: 75.36 cm  
Area: 452.16 cm<sup>2</sup>



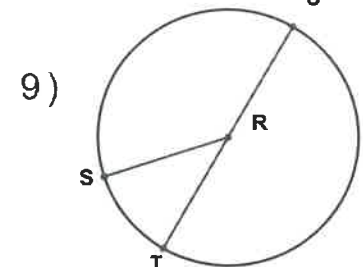
Radius: 19 mm  
Diameter: 38 mm  
Circumference: 119.32 mm  
Area: 1133.54 mm<sup>2</sup>



Radius: 15 cm  
Diameter: 30 cm  
Circumference: 94.2 cm  
Area: 706.5 cm<sup>2</sup>



Radius: 2 mm  
Diameter: 4 mm  
Circumference: 12.56 mm  
Area: 12.56 mm<sup>2</sup>



Radius: 3 cm  
Diameter: 6 cm  
Circumference: 18.84 cm  
Area: 28.26 cm<sup>2</sup>

