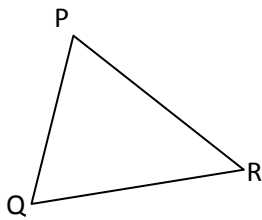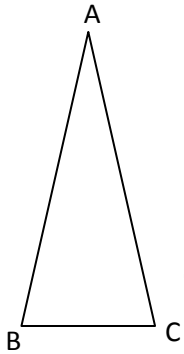Name: _____   Date _____

Topic : Finding Sides of Similar Triangles - Worksheet 1

Finding Sides of Similar Triangles

BC=5

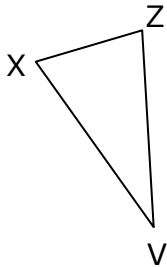PQ=6

AB=2

PR=9

In the figure given to the left, ΔABC is similar to ΔPQR.

1. Write three equal ratios to show corresponding sides are proportional.

2. Find the value of QR

3. Find the value of AC

4. Find the ratio m‹A/m‹P

5. Find the ratio m‹B/m‹Q

ST=12

TV=18

SV=24

XV=21

In the figure given to the left, ΔSTV is similar to ΔZXV.

6. Write three equal ratios to show corresponding sides are proportional.

7. Find the value of XZ

8. Find the value of VZ

9. Find the ratio m‹S/m‹Z

10. Find the ratio m‹T / m‹X

Name: _____   Date _____

Topic : Finding Sides of Similar Triangles - Worksheet 2

Finding Sides of Similar Triangles

BC= 4

PR=35

BV=10

QR=56
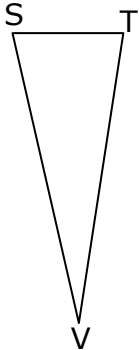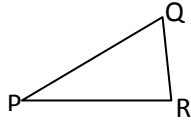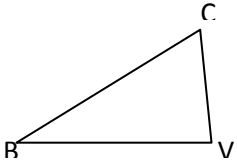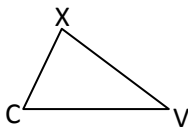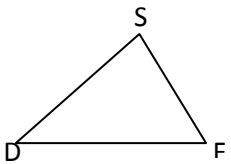
In the figure given to the left, ΔBCV is similar to ΔPQR.

1. Write three equal ratios to show corresponding sides are proportional.

2. Find the value of CV.

3. Find the value of PQ.

4. Find the ratio m<C/m<Q

5. Find the ratio m<V/m<R

CV=42

SF=12

XC=21

XV=35

In the figure given to the left, ΔSDF is similar to ΔXVC.

6. Write three equal ratios to show corresponding sides are proportional.

7. Find the value of SD

8. Find the value of FD

9. Find the ratio m<D/m<V

10. Find the ratio m<S/ m<X

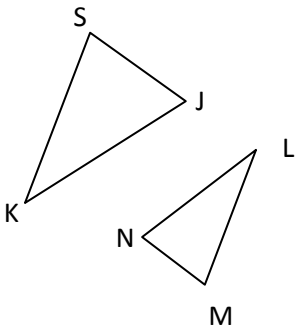Topic : Finding Sides of Similar Triangles - Worksheet 3

Finding Sides of Similar Triangles
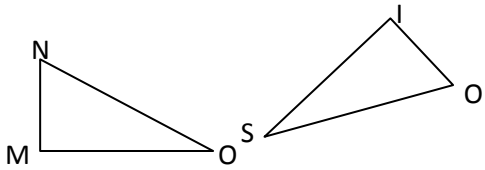
MN=18

SO=56

NO=24

IS = 49

In the figure given to the left, ΔMNO is similar to ΔIOS.

1. Write three equal ratios to show corresponding sides are proportional.

2. Find the value of IO

3. Find the value of MO

4. Find the ratio m‹M/m‹I

5. Find the ratio m‹O/m‹S

SJ=6

LM=6

JK=9

SK=18

In the figure given to the left, ΔKSJ is similar to ΔLNM.

6. Write three equal ratios to show corresponding sides are proportional.

7. Find the value of LN

8. Find the value of NM
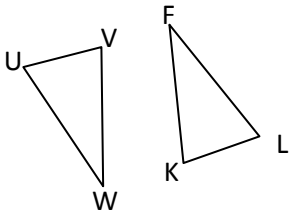
9. Find the ratio m‹K/m‹M

10. Find the ratio m‹S/ m‹L

Name: _____   Date _____

Topic : Finding Sides of Similar Triangles - Worksheet 4

Finding Sides of Similar Triangles

UV=12

KL=27

VW=16
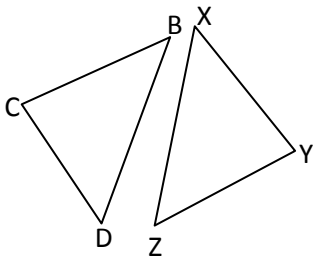
FK=45

In the figure given to the left, ΔUVW is similar to ΔKLF.

1. Write three equal ratios to show corresponding sides are proportional.

2. Find the value of UW

3. Find the value of FL

4. Find the ratio m‹U/m‹K

5. Find the ratio m‹W/m‹F

BC=9

XY=12

BD=24

ZY=36

In the figure given to the left, ΔXYZ is similar to ΔBCD.

1. Write three equal ratios to show corresponding sides are proportional.

2. Find the value of XZ

3. Find the value of CD

4. Find the ratio m‹C/m‹Y

5. Find the ratio m‹Z/ m‹D

Topic: Finding Sides of Similar Triangles - Worksheet 5

Finding Sides of Similar Triangles
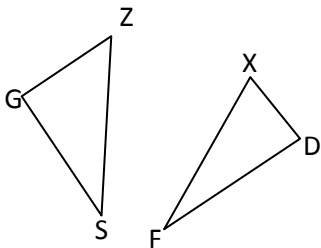
G
Q   K
                                    D
        A
    L
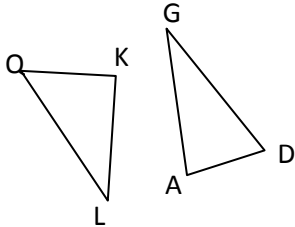
OK=9

AD=15

GA=20

GD=10

In the figure given to the left, ΔKLO is similar to ΔGAD.

1. Write three equal ratios to show corresponding sides are proportional.

2. Find the value of OL

3. Find the value of KL

4. Find the ratio m‹K/m‹A

5. Find the ratio m‹O/m‹D

Z
    X
G
            D
S   F

GZ=2

GS=3

XD=18

ZS=5

In the figure given to the left, ΔGSZ is similar to ΔXFD.

1. Write three equal ratios to show corresponding sides are proportional.

2. Find the value of FD

3. Find the value of XF

4. Find the ratio m‹G/m‹X

5. Find the ratio m‹S/ m‹D