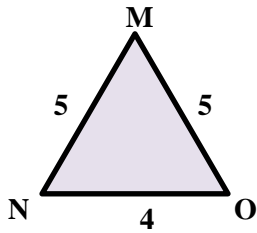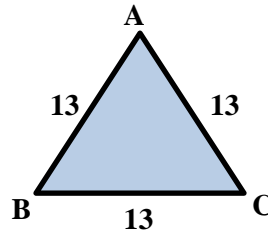Name: _____ Period: _____ Date: _____

Isosceles and Equilateral Triangles Assignment

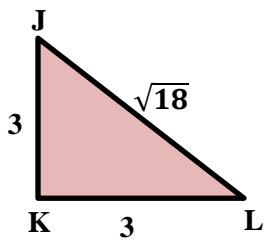**Identify whether the triangle in each question is Isosceles, Equilateral or Neither.**

1.

M
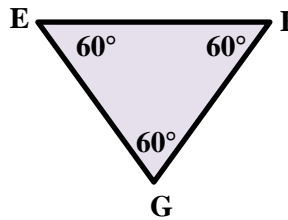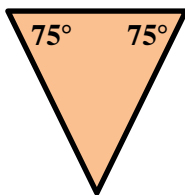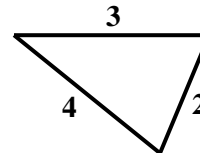5   5
N   4   O

_____

2.

A
13   13
B   13   C

_____

3.

J
3    $\sqrt{18}$
K   3   L

_____

4.

E   F
60°   60°
60°
G

_____

5.

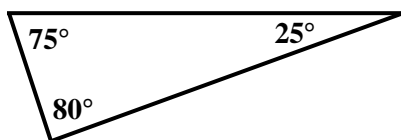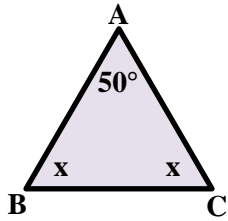75°   75°

_____

6.

3
4   2

_____

7.

75°   25°
80°

_____

Isosceles and Equilateral Triangles Assignment

Find the unknown variables in each triangle.

1. ΔABC is Isosceles, find x.

A

50°

x   x

B   C

x = _____

2. ΔPQR is Equilateral, find y.

P

y

Q   R

y = _____

3. ΔMNO is Equilateral, find z.

M

104   2z+34

N   O

z = _____

What will be the perimeter of the equilateral triangle having a side length of 13 cm?

Perimeter = _____

What will be the length of an equilateral triangle whose perimeter is 120 cm?
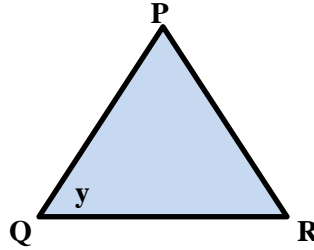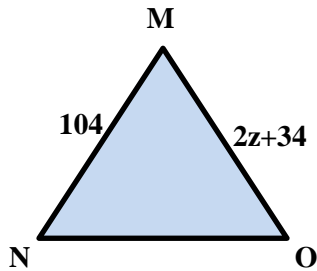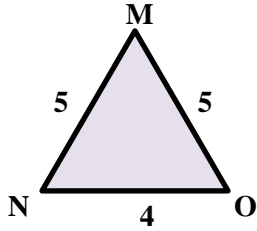
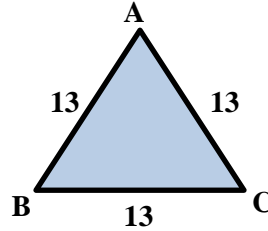Length = _____

Isosceles and Equilateral Triangles Assignment

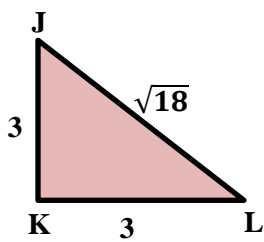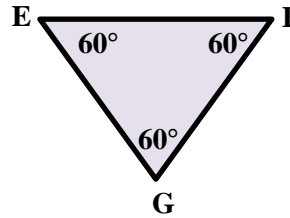**Identify whether the triangle in each question is Isosceles, Equilateral or Neither.**

1.

M

5   5

N   4   O

_____**Isosceles**_____

2.

A

13   13

B   13   C

_____**Equilateral**_____

3.

J

$\sqrt{18}$

3

K   3   L

_____**Isosceles**_____

4.

E   60°   60°   F

60°

G

_____**Equilateral**_____

5.

75°   75°

_____**Isosceles**_____

6.

3

4   2

_____**Neither**_____

7.

75°   25°

80°
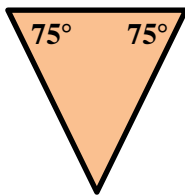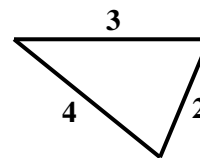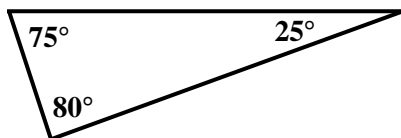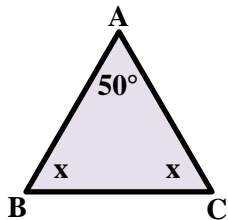
Isosceles and Equilateral Triangles Assignment

_____<mark>Neither</mark>_____

Find the unknown variables in each triangle.
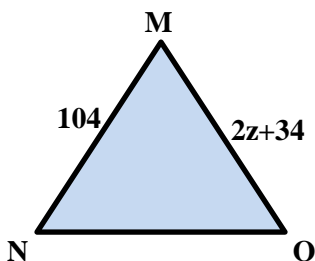
1. ΔABC is Isosceles, find x.

A

50°

x   x

B   C

x = _____<mark>65°</mark>_____

2. ΔPQR is Equilateral, find y.

P

y

Q   R

y = _____<mark>60°</mark>_____

3. ΔMNO is Equilateral, find z.

M

104   2z+34

N   O
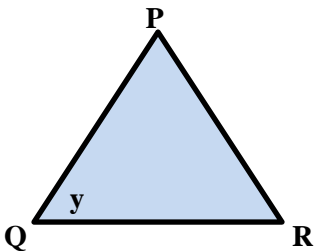
z = _____<mark>35</mark>_____

What will be the perimeter of the equilateral triangle having a side length of 13 cm?

Perimeter = _____<mark>39 cm</mark>_____

Isosceles and Equilateral Triangles Assignment

What will be the length of an equilateral triangle whose perimeter is 120 cm?

Length = _____40 cm_____