POINTS

2) Translate the following points:

a) (-2, 3) translated by (-1, -4) b) (4, 5) translated by (-7, -9) c) (0, -2) translated by (-3, 4)

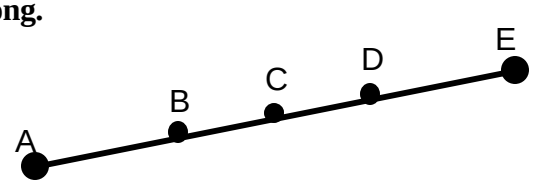
(-3, -1) **(-2, -4)** **(-3, 2)**

LINES

1) How long is a line? How long is a ray?

Both never end and are infinitely long.

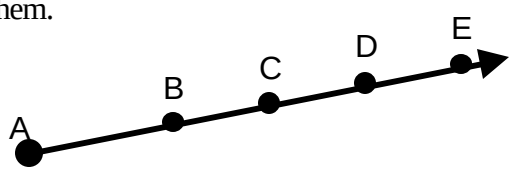
2) Name the unique line segments.



Answer: $\overline{AB}, \overline{AC}, \overline{AD}, \overline{AE}, \overline{BC}, \overline{BD}, \overline{BE}, \overline{CD}, \overline{CE}, \overline{DE}$

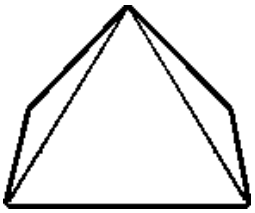
3) How many unique names for this ray? Name them.

Answer: AB, AC, AD, AE



4) How many line segments does the pyramid on the right have?

8 LINE SEGMENTS, includes 1 hidden segment

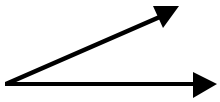


ANGLES

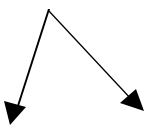
1) How many angles does the pyramid on the above right have? How many triangles? (Only visible ones for this questions.)

9 angles, 3 triangles

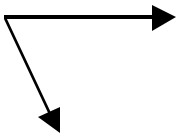
2) Estimate the angle in degrees of the following angles:

a) 

b) About 15°

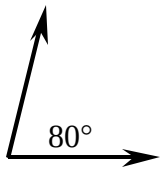
b) 

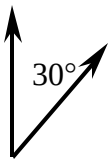
b) About 45°

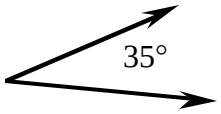
c) 

c) About 60°

3) Name the measure of the angle in degrees that is complementary to the following angles:

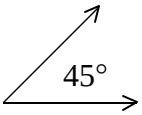
a) 

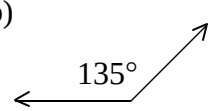
b) 

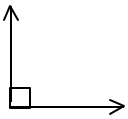
c) 

a) 10° b) 60° c) 55°

4) Name the measure of the angle in degrees that is supplementary to the following angles:

a) 

b) 

c) 

i) 135° b) 45° c) 90°

GeoDraw: Geometric Programming

1) Using the GeoDraw tool program the following designs.

Note: These are just one possible answer, there are many possible solutions.

a)

```
LT 60
Repeat 2
FD 125
LT 120
End repeat
FD 250
Repeat 2
RT 120
FD 125
End repeat
```

b)

```
Repeat 3
Repeat 2
FD 100
LT 120
End repeat
FD 100
End repeat

OR

Repeat 3
Repeat 3
FD 100
LT 120
End repeat
LT 120
End repeat
```

c)

```
MT 100, 200
Repeat 5
FD 200
LT 144
End repeat
```

d)

```
Repeat 5
Repeat 5
FD 200
LT 144
End repeat
LT 72
End repeat
```