|  |  |
| --- | --- |
| **Given: Rectangle UXWV and m<XUS =36**Determine the measure of the following:1. XW: 2. VW:3. XS: 4. WS:5. US: 6. <VUS7. <UVS 8. <USV9. <USX 10. <UXS11. Which triangle/s are congruent to:a. VSWb. USV | **Given: Square ABCD**Determine the measure of the following:1. CE:
2. BE:
3. DE:
4. AB:
5. m<ACD:
6. m<AEB:

1. Which triangles are congruent to DEC?

  1. Which triangles are congruent to ADC?
 |
| **Given: Parallelogram ABCD,****BE: 6, AC: 18, AB: 8, BC: 15****<1: 65, <2: 50, <3: 40****Determine the measure of the following:** |
| 1. <4
2. <5
3. <6
4. <7
5. <8
6. <9
7. <10
 | 1. <11
2. <12
3. ED:
4. BD:
5. AD:
6. AE:
7. CD:
 | **Which rigid motion would map AED onto CEB?** |



ABCD is a parallelogram, solve for

a. <CDB: b. < C:







****





Extension



Problem: Prove that quadrilateral METS is a square given the vertices

 M ( -2, 2 ), E (4, 2 ), T ( 4, 8 ) and S (-2, 8 )

|  |  |  |
| --- | --- | --- |
| Side name | Slope | Length |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Conclusion: