Circle Geometry Exercise

Name: _____

[*Total 24 marks*]

Due Date: _____

Find the measures of the angles indicated. The letter O indicates the centre of a circle.

1)

$\angle c =$ 24 °

$\angle d =$ 24 °

2)

$x =$ 60 °

3)

Given: $\triangle$ STU is equilateral.

$\angle VPU =$ 98 °

$\angle TPU =$ 82 °

$\angle SPV =$ 82 °

$\angle TSU =$ 60 °

$\angle TVU =$ 60 °

$\angle STV =$ 22 °

$\angle SUT =$ 60 °

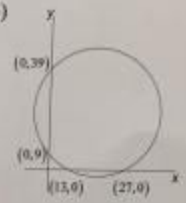
$\angle VTU =$ 38 °

$\angle SUV =$ 22 °

$\angle SVT =$ 60 °

$\angle USV =$ 38 °

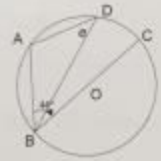
4)



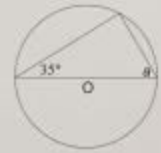
The radius of the circle is _____ units.

Spirit of Math schools

Circle Geometry Exercise, Page 2

5) 

$\angle e =$ ____ °

6) 

$\angle a =$ 45 °

7) 

$\angle b =$ 45 °

8) 

$\angle c =$ 72 °

$\angle d =$ 18 °

9) 

$\angle e =$ 108 °

10) 

$\angle f =$ 65 °

11) 

$\angle g =$ 84 °

12) 

$\angle h =$ 84 °