

## EXAM 1 REVIEW SHEET ANSWERS

1.

- a) right
- b) obtuse
- c) acute
- d) obtuse
- e) acute
- f) straight

2. 50 degrees

3. 60 degrees

4. COD = 35 degrees

5.

$$x = 111$$

$$\text{QOR} = 123 \text{ degrees}$$

6.

$$x = 36$$

$$\text{XOY} = 119 \text{ degrees}$$

$$\text{ZOY} = 61 \text{ degrees}$$

7.  $x = 180$

8.  $x = 260$

9.

$$x = 14$$

Angle Pair: 82 and 98

10.

$$x = 50$$

Angle Pair: 59 and 59

11.

$$x = 15$$

Angle Pair: 40 and 40

12.

$$x = 65$$

Angle Pair: 104 and 76

13.

$$x = 35$$

Angle Pair: 40 and 40

14.  $x = 25$

15.

$$x = 20$$

Angle K = 47 degrees

Angle L = 48 degrees

16.

Angle DFX = 110 degrees

$$x = 20$$

17.

$$x = 30$$

VWX = 105 degrees

18.

Largest angle = Angle B

Smallest angle = Angle A

19.

Longest side = MO

Shortest side = ON

20.  $x = 70$

21.  $x = 18$

22.

- a) possible
- b) not possible
- c) not possible
- d) possible

23. Choice 3

24. Choice 2

25. Choice 3, scalene

26. Choice 1