

"Extra Practice for quiz on Monday 12/17"

1) $VW = 2(KW)$

$$VW = 2(3.7)$$

$$\boxed{VW = 7.4}$$

2) $VW = 2(JW)$

$$VW = 2(7.4)$$

$$\boxed{VW = 14.8}$$

3) $VF = VH$

$$x+1 = 2x-4$$

$$\boxed{5 = x}$$

4) $ZX = 2(RX)$

$$3x-5 = 2(x+2)$$

$$3x-5 = 2x+4$$

$$x = 9$$

$$ZX = 3x-5$$

$$ZX = 3(9)-5$$

$$ZX = 27-5$$

$$\boxed{ZX = 22}$$

5) $JL = 2(RL)$

$$x = 2(x-3)$$

$$x = 2x-6$$

$$6 = x$$

$$RJ = RL$$

$$RJ = x-3$$

$$RJ = 6-3$$

$$\boxed{RJ = 3}$$

6) $RT = RU$

$$2x-4 = x-1$$

$$x = 3$$

$$RU = x-1$$

$$RU = 3-1$$

$$\boxed{RU = 2}$$

$$7) m\angle 2 = \frac{1}{2} (m\angle VTW)$$

$$m\angle 2 = \frac{1}{2} (124)$$

$$\boxed{m\angle 2 = 62^\circ}$$

$$8) m\angle ACB = 2(m\angle 2)$$

$$56 = 2(m\angle 2)$$

$$\boxed{28^\circ = m\angle 2}$$

} 2 ways of saying the same thing!

$$9) m\angle 1 = m\angle 2$$

$$29x + 2 = 31x - 2$$

$$4 = 2x$$

$$\boxed{2 = x}$$

$$10) m\angle 1 = m\angle 2$$

$$4x - 2 = 3x + 4$$

$$x = 6$$

$$m\angle 2 = 3x + 4$$

$$m\angle 2 = 3(6) + 4$$

$$m\angle 2 = 18 + 4$$

$$\boxed{m\angle 2 = 22^\circ}$$