

**LEERDER SE NAAM**

--

**NASIONALE SENIOR SERTIFIKAAT**

**WISKUNDE V2**

**GRAAD 11**

**NOVEMBER 2014**

***SPEZIALE ANTWOORDEBOEK***

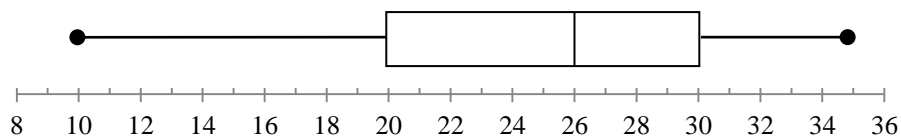
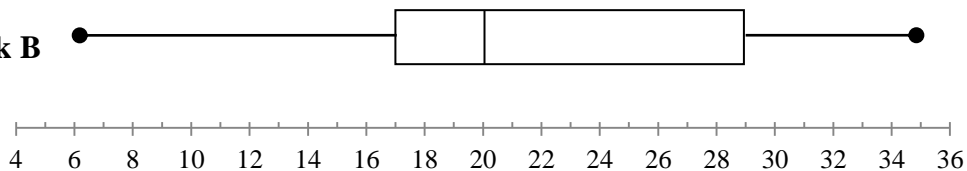
VRAAG	PUNT	PARAAF	MOD.
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
TOTAAL			

**Hierdie antwoordeboek bestaan uit 24 bladsye.**



**VRAAG 1**

1.1

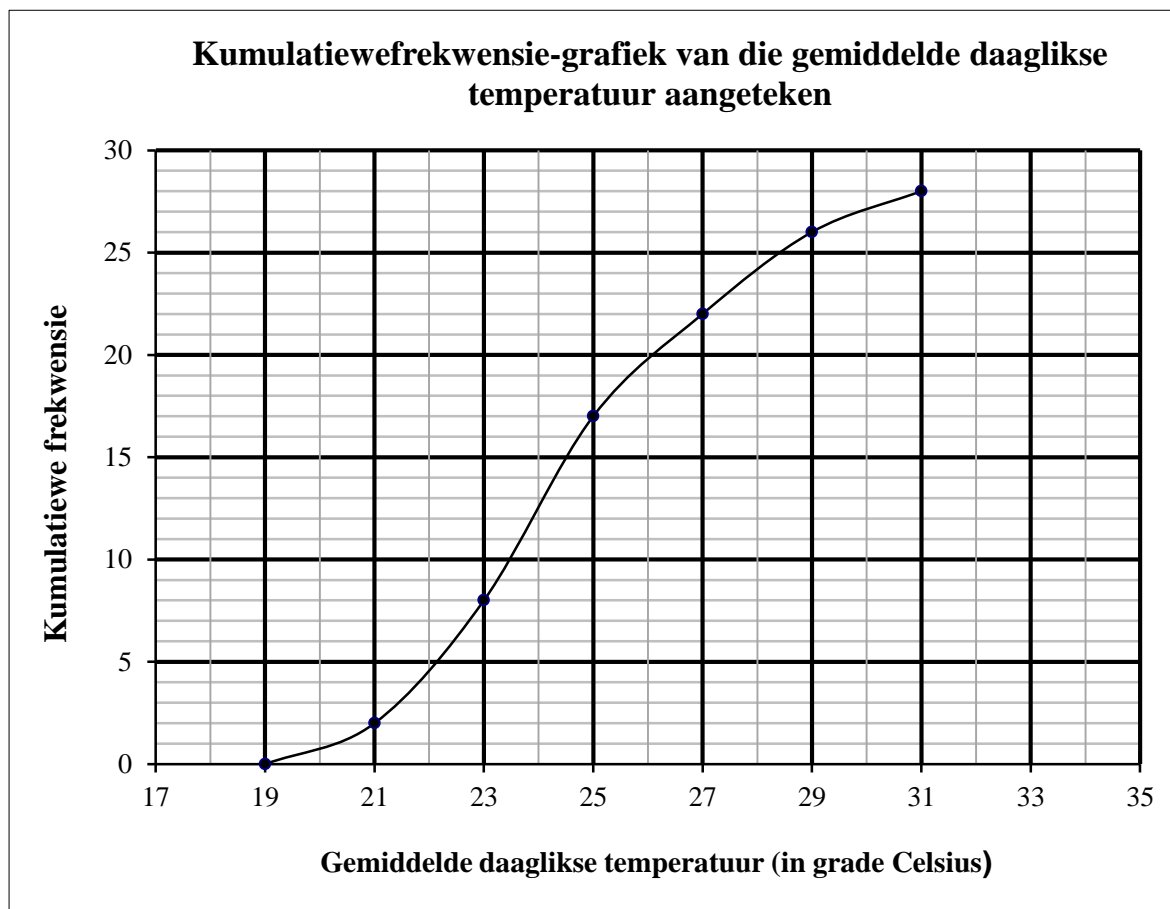
**Supermark A****Supermark B**

	Oplossing	Punt
1.1.1		(2)
1.1.2		(1)
1.1.3		(2)
1.1.4		(2)

1.2

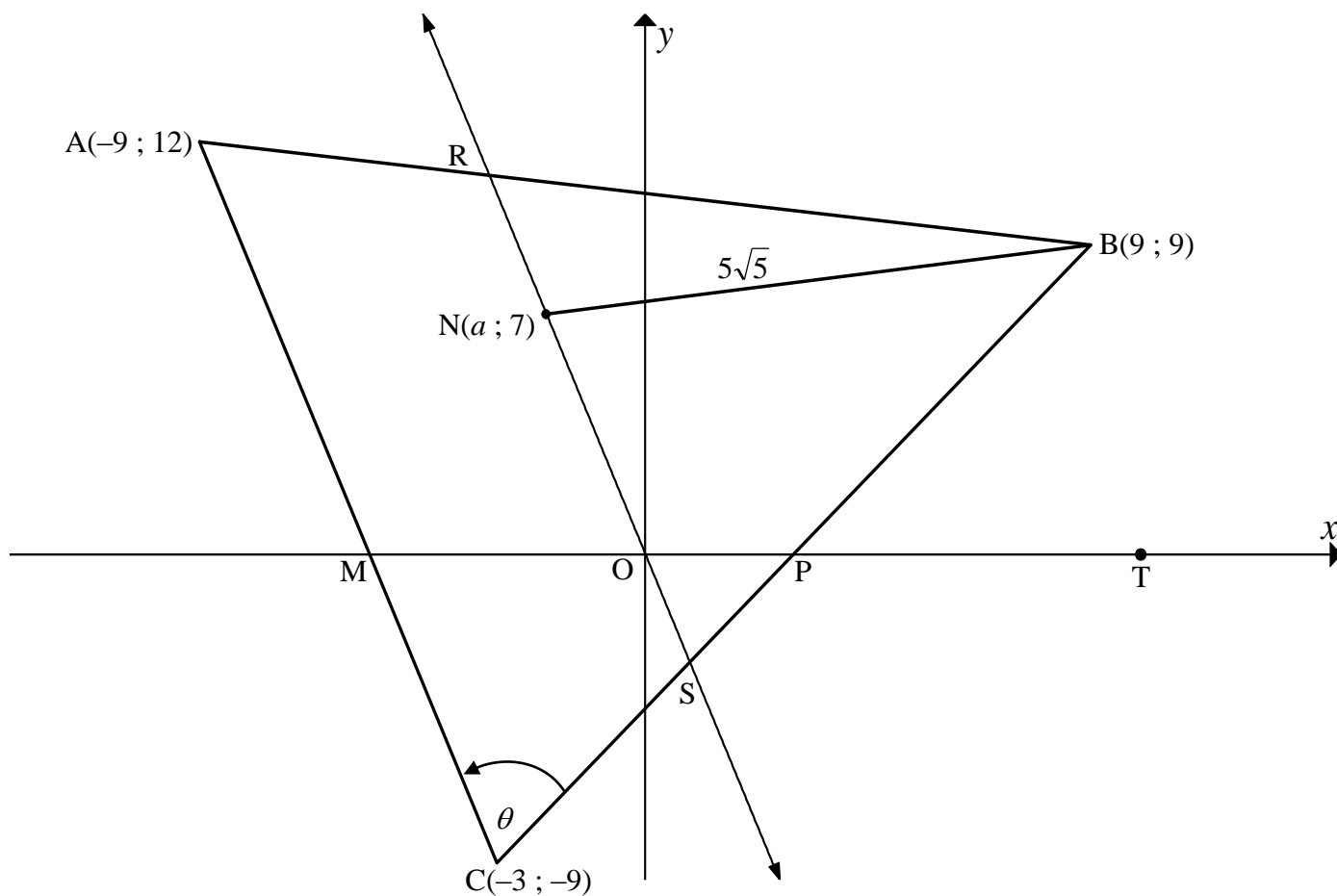
10	15	20	$x$	30	35	15	31	32	21	$x$	27	28	29
----	----	----	-----	----	----	----	----	----	----	-----	----	----	----

	Oplossing	Punt
1.2		(3)
		[10]

**VRAAG 2**

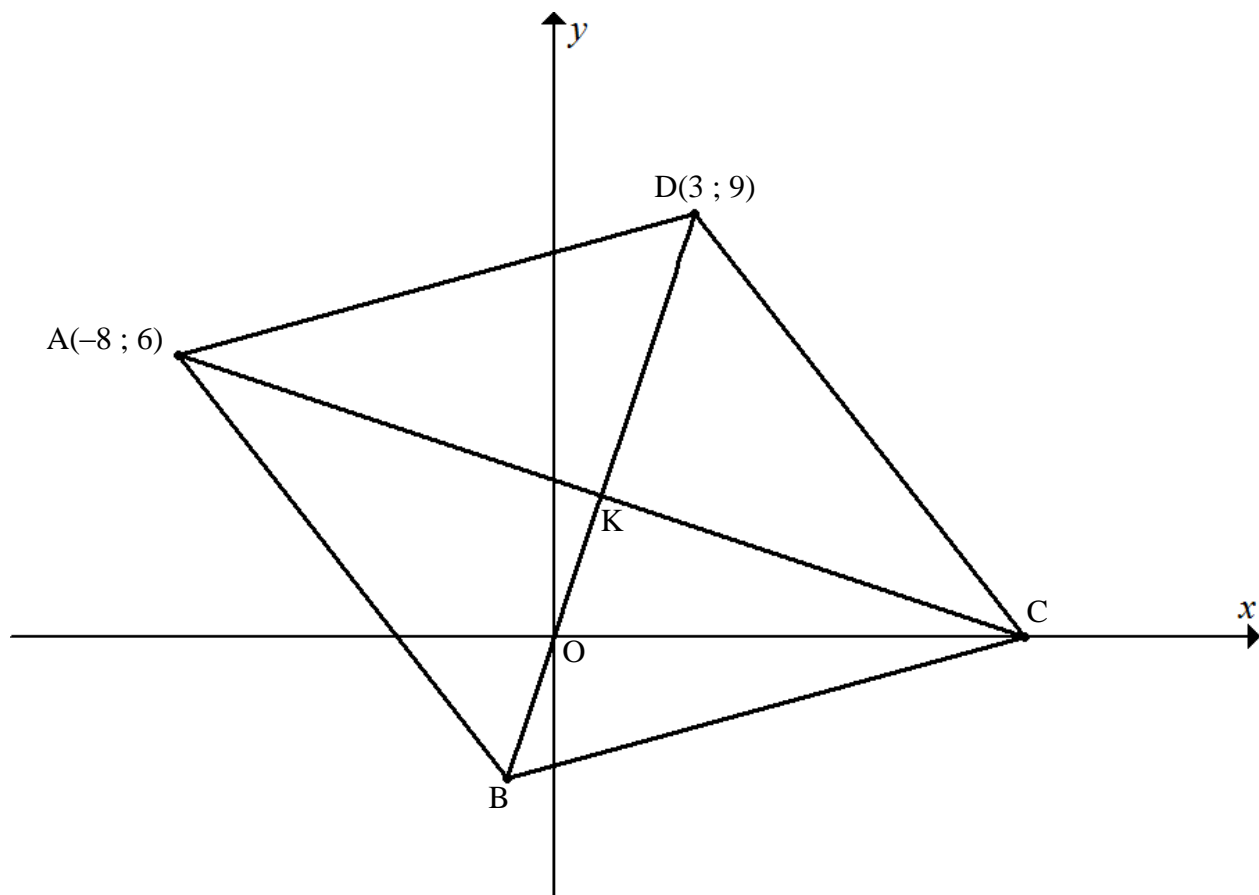
	Oplossing	Punt															
2.1		(1)															
2.2		(2)															
2.3	<table><tr><th>Temperatuur, T, in grade Celsius</th><th>Frekwensie</th></tr><tr><td><math>19 \leq T &lt; 21</math></td><td></td></tr><tr><td><math>21 \leq T &lt; 23</math></td><td></td></tr><tr><td><math>23 \leq T &lt; 25</math></td><td></td></tr><tr><td><math>25 \leq T &lt; 27</math></td><td></td></tr><tr><td><math>27 \leq T &lt; 29</math></td><td></td></tr><tr><td><math>29 \leq T &lt; 31</math></td><td></td></tr></table>		Temperatuur, T, in grade Celsius	Frekwensie	$19 \leq T < 21$		$21 \leq T < 23$		$23 \leq T < 25$		$25 \leq T < 27$		$27 \leq T < 29$		$29 \leq T < 31$		(3)
	Temperatuur, T, in grade Celsius	Frekwensie															
	$19 \leq T < 21$																
	$21 \leq T < 23$																
	$23 \leq T < 25$																
	$25 \leq T < 27$																
	$27 \leq T < 29$																
	$29 \leq T < 31$																

	Oplossing	Punt
2.4	<p style="text-align: center;"><b>Frekwensievelhoek van aangetekende temperatuur</b></p>	(4)
		[10]

**VRAAG 3**

	Oplossing	Punt
3.1		(2)
3.2		(2)

	Oplossing	Punt
3.3		(4)
3.4		(5)
		[13]

**VRAAG 4**

	Oplossing	Punt
4.1		(3)



	Oplossing	Punt
4.2		(4)
4.3		(3)

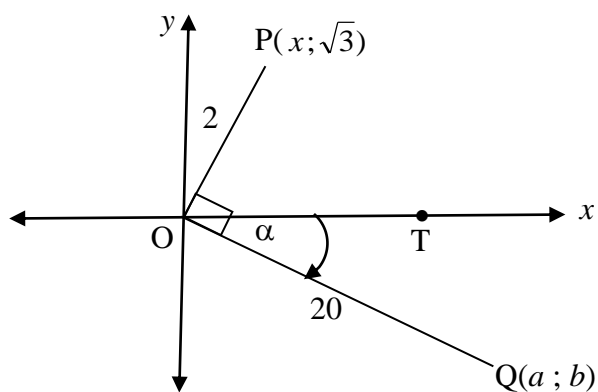
	Oplossing	Punt
4.4		(2)
4.5		(5)
		[17]

**VRAAG 5**

	Oplossing	Punt
5.1.1		(2)
5.1.2		(3)
5.2		(6)

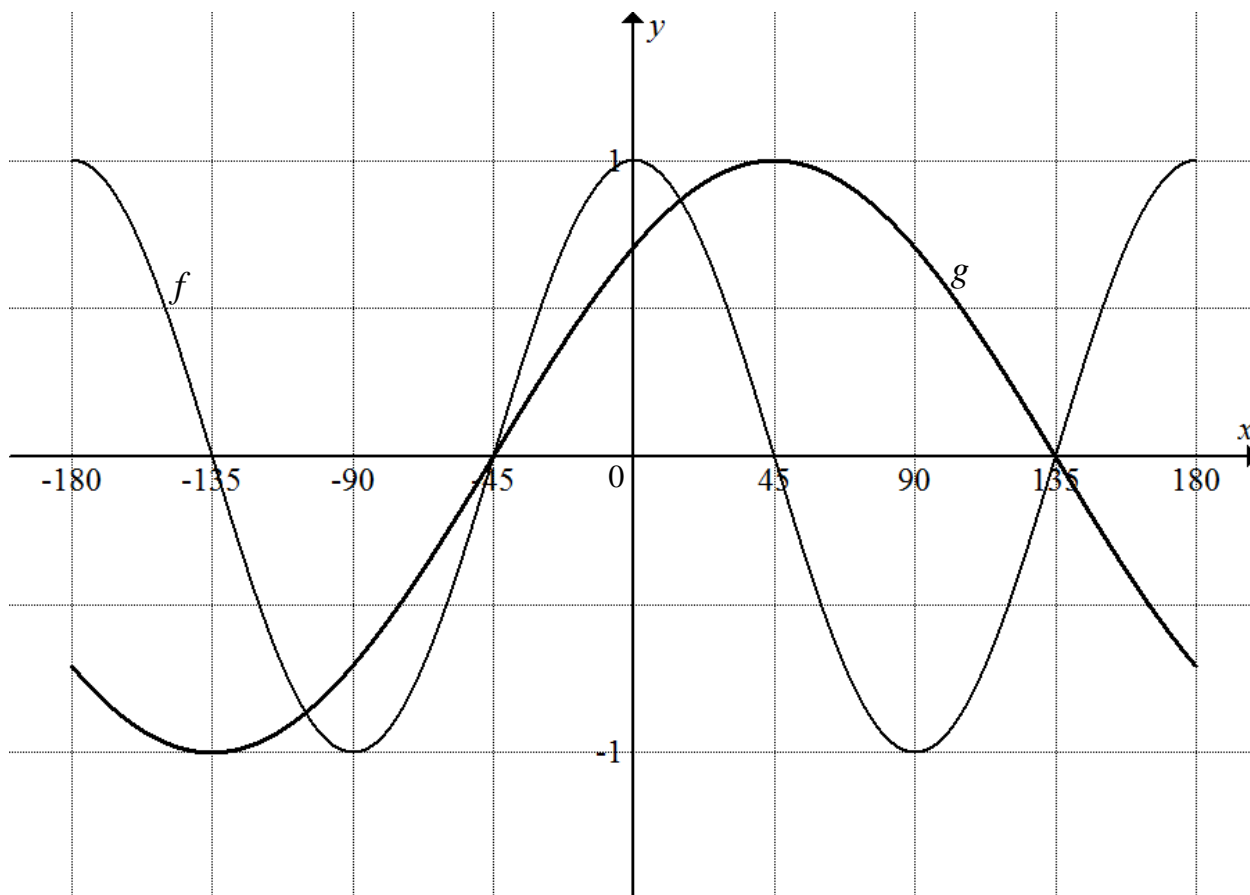
	Oplossing	Punt
5.3.1		(5)
5.3.2		(2)
5.4		(5)

5.5



	Oplossing	Punt
5.5.1		(2)
5.5.2		(3)

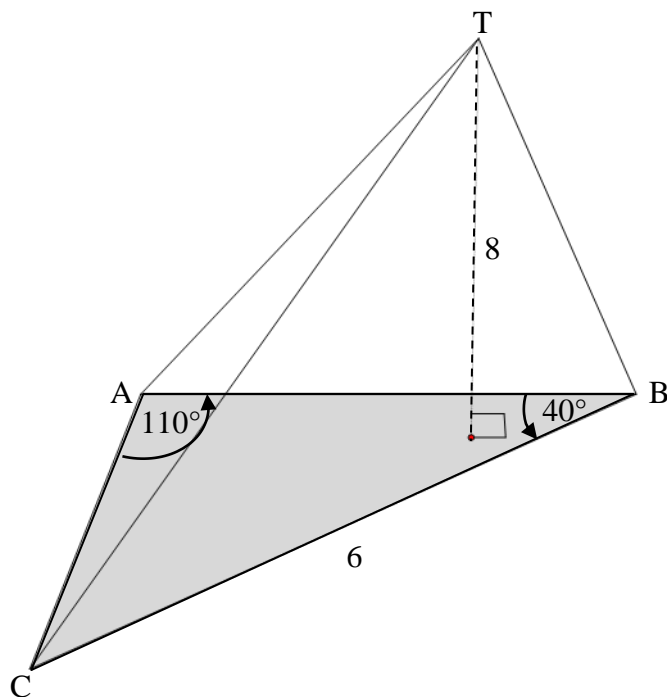
	Oplossing	Punt
5.5.3		(5)
		[33]

**VRAAG 6**

	Oplossing	Punt
6.1		(3)
6.2		(2)
6.3		(2)
6.4		(2)
6.5		(2)
		<b>[11]</b>

**VRAAG 7**

7.1



	Oplossing	Punt
7.1.1		(3)
7.1.2		(2)
7.1.3		(3)

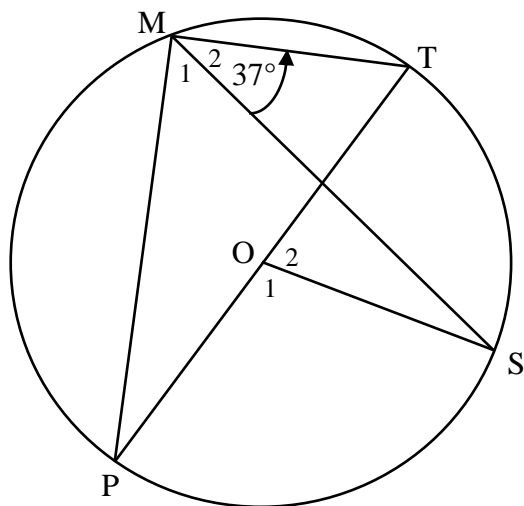




**GEE REDES VIR JOU BEWERINGS EN BEREKENINGE IN VRAAG 8, 9 EN 10.**

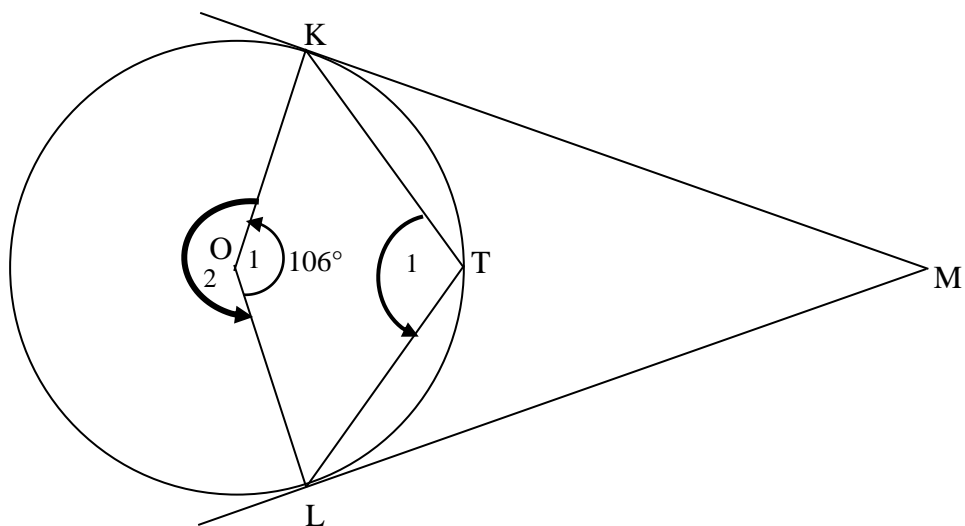
**VRAAG 8**

8.1



	Oplossing	Punt
8.1.1		(2)
8.1.2		(2)

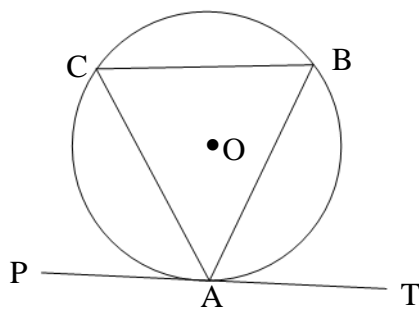
8.2



	Oplossing	Punt
8.2.1		(3)
8.2.2		(3)
8.2.3		(3)
8.2.4		(2)
		[15]

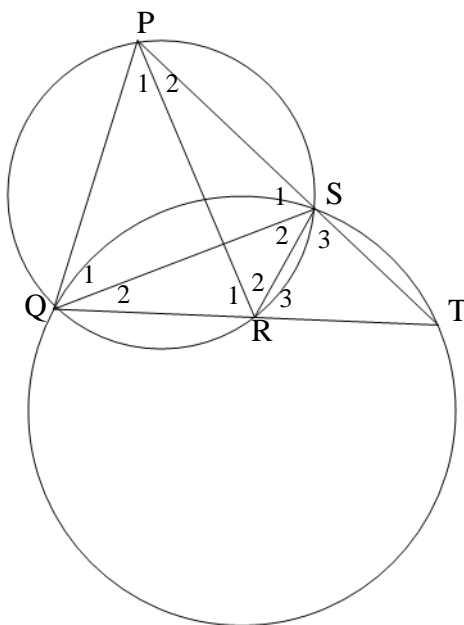


	Oplossing	Punt
9.4.1		(4)
9.4.2		(3)
		[12]

**VRAAG 10**

	Oplossing	Punt
10.1		
		(6)

10.2



	Oplossing	Punt
10.2.1(a)		(1)
10.2.1(b)		(1)
10.2.2		(4)

	<b>Oplossing</b>	<b>Punt</b>
10.2.3		(3)
		[15]
	<b>TOTAAL:</b>	<b>150</b>

