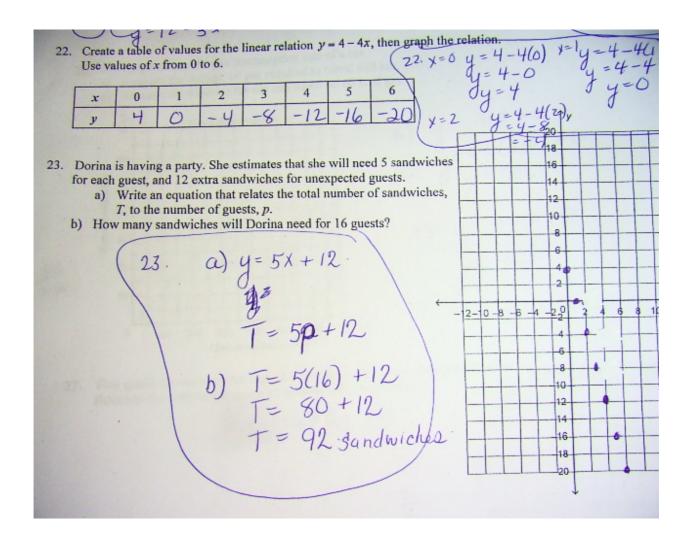
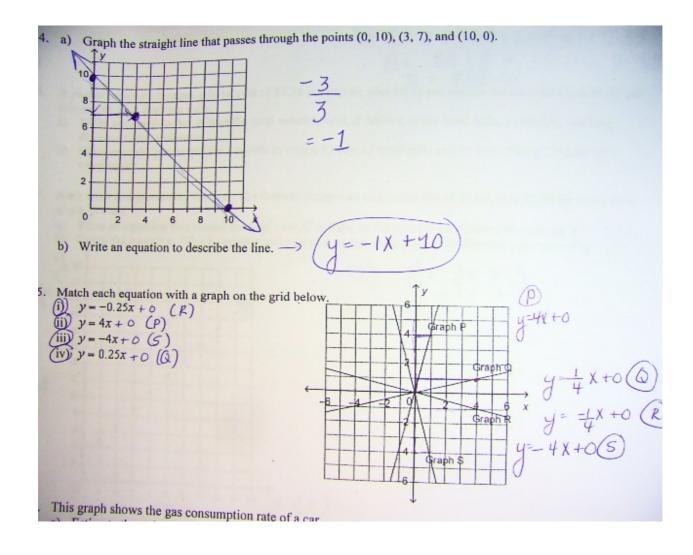
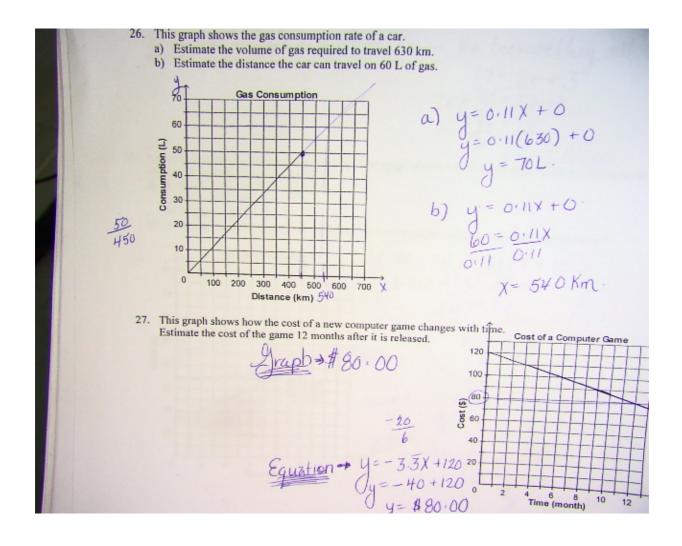
0	Review - Unit #4 - Day #3
	Multiple Choice.
	1. D 8. B 15. C 2. A 9. C 16. D 3. C 10. C
	4. B 11. D 5. A 12. A
	6. D 13. C 7. B 14. B
•	17. $R = 6(13-1) + 4$ = 6(12) + 4 = 76

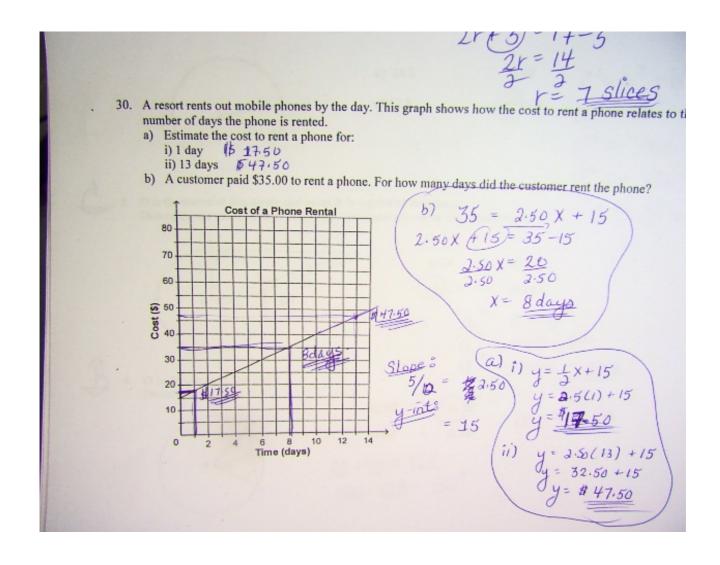
18.
$$W = 3++2$$
.
19. a) $A = 35n + 540$
= $280 + 540$
= $4820 \cdot 00$
20. a) a) $F = 1.75n + 2.50$
b) $F = 1.75(28) + 2.50$
 $F = 49 + 2.50$
 $F = 451.50$





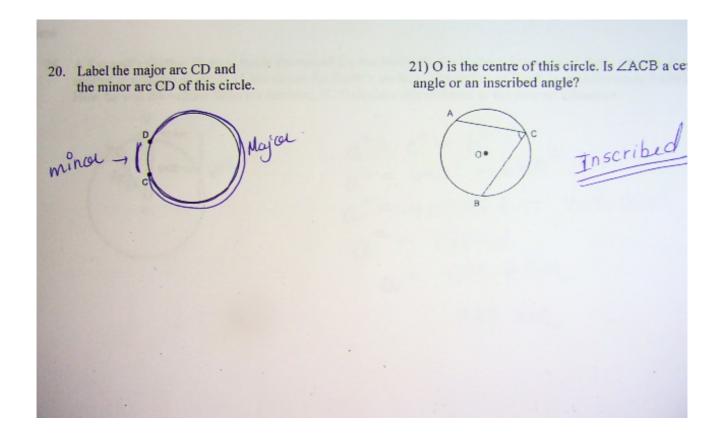


a) $\beta = 0.53 p + 1.07 q + 2.35$ b) $\beta = 0.53(53) + 1.07(31) + 2.35$ $\beta = 28.09 + 33.17 + 2.3$ 28. A phone company charges a fixed cost of \$2.35 per month, plus \$0.53 per minute for local calls and \$1.07 per minute for long distance calls minute for long distance calls. a) Write an equation that relates the total monthly cost, B dollars, to the local calls, p minutes, and long distance calls, q minutes. b) Determine the phone bill for a month in which 53 min of local calls and 31 min of long distance calls were made. 29. Amir went to a pie-tasting festival. The festival charges an admission fee of \$3.00, plus \$2.00 for every slice a) Write an equation that relates the total cost, C dollars, to the number of slices of pie you eat, r. b) Graph the equation. Which variable will you plot on the horizontal axis? Explain your reasoning. C = 2r + 324 22 20 16 14 12 6 Slices



		(Review	- Uni	+#8	Day	1#4	
						0		
4	Mult	iple (Thoice					
1	1)	8.	C				
2	. [9.	A				
3	. (1	10.	D				
4	. 1	3	11.	D				
3	<i>i</i> .	C	12.	D				
	6.	В						
	7.	A						

		- Z++8 = W
13.	AC	16. V° = 58° W° = 30°
14.	900	$W_{o} = 30_{o}$
15.	yes.	17. $n^{\circ} = 60^{\circ}$ m = 63.4
18.	DE	19. S= 2.6



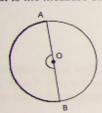
O is the centre of this circle.
 In this circle, identify the inscribed angle and the central angle subtended by the same minor arc.



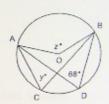
LPOQ Central LPRQ Inscribed

23. Point O is the centre of the circle. Arc AB is a semicircle. What is the measure of ∠AOB?





24. O is the centre of this circle. Determine the values of y° and z° .

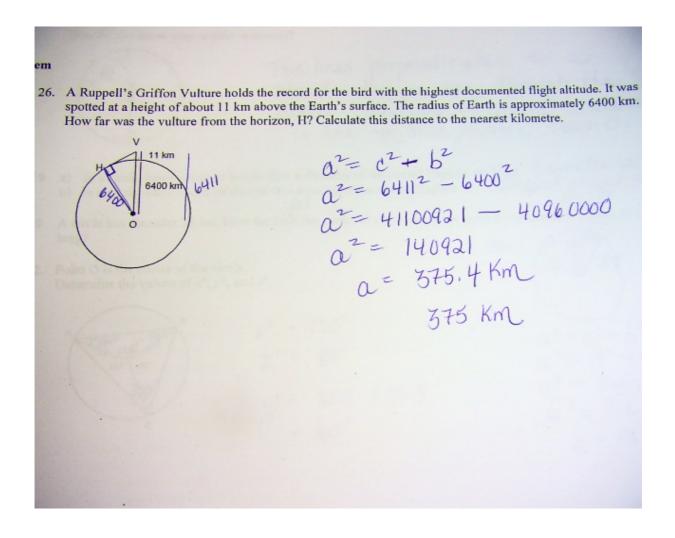


y° = 68° Z° = 136°

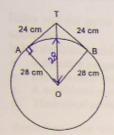
 Point O is the centre of the circle. Determine the values of y° and z°.



$$z^{\circ} = 52^{\circ}$$
 $y^{\circ} = 38^{\circ}$



27. A circular mirror with radius 28 cm hangs from a hook. The wire is 48 cm long and is a tangent to the circle at points A and B. How far, to the nearest tenth, above the top of the mirror is the hook?



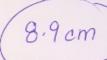
$$c^{2} = a^{2} + b^{2}$$

$$c^{2} = 34^{2} + 28^{2}$$

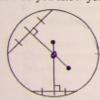
$$c^{2} = 576 + 784$$

$$\int c^{2} = \sqrt{3600}$$

$$c^{2} = 36.9 - 28$$



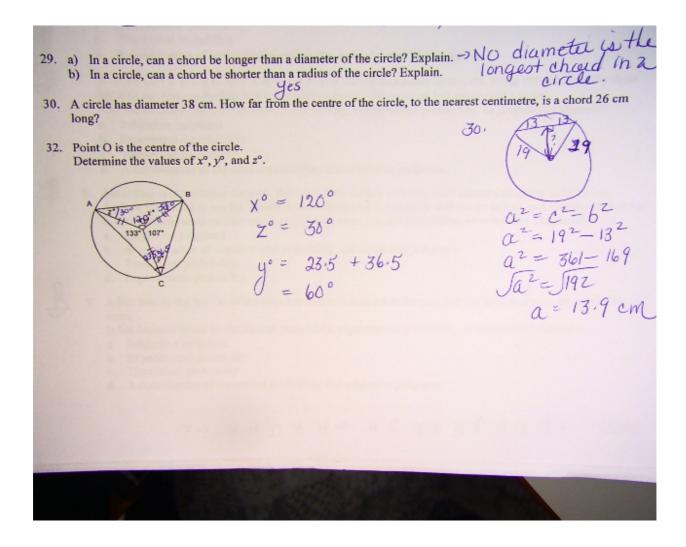
28. Draw a point at the centre of this circle. Label the point O. How do you know your answer is correct?

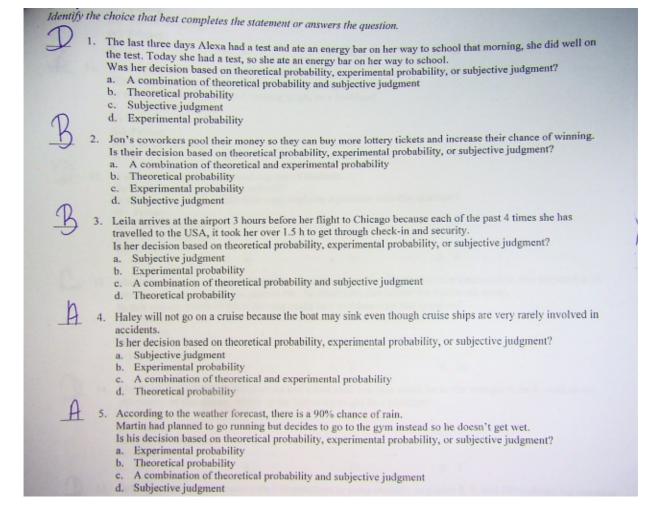


The lines perpendicular to a chord always run through the centur. Therefore they will intersect in the middle centre Point O.

- 29. a) In a circle, can a chord be longer than a diameter of the circle? Explain. No diameter is the b) In a circle, can a chord be shorter than a radius of the circle? Explain. longest chord in 2

 30. A circle has diameter 38 cm. How far from the centre of the circle, to the nearest centimetre, is a chord 26 cm
- long? 30.
- 32. Point O is the centre of the circle. Determine the values of xo, yo, and zo.







d. Subjective judgment

The chance of winning a prize in a lottery was 15%.

Claudia was having a lucky day, so she bought a ticket.

Was her decision based on theoretical probability, experimental probability, or subjective ju

- a. Subjective judgment
- b. Experimental probability
- c. Theoretical probability
- d. A combination of experimental probability and subjective judgment



7. A sports club is going to have a draw for a prize during its awards ceremony. Sasha did not because she was not feeling lucky, and almost every club member had purchased a ticket. Was her decision based on theoretical probability, experimental probability, or subjective ju-

- Subjective judgment
- b. Experimental probability
- c. Theoretical probability
- d. A combination of theoretical probability and subjective judgment



8. According to the weather forecast, there is a 90% chance of snow, with accumulations of up Andrew drives out to see his friends because he thinks the weather will not be as bad as it is a ls his decision based on theoretical probability, experimental probability, or subjective judgm

- a. Subjective judgment
- A combination of experimental probability and subjective judgment
- c. Theoretical probability
- Experimental probability



Adam boards the last car of the train because he's noticed in the past that the last car always l seats.

Is his decision based on theoretical probability, experimental probability, or subjective judgm

- a. Subjective judgment
- b. Experimental probability
- Theoretical probability

