Geometry Unit 1 Test Review

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Use the following diagram to answer Q2 and 3.

Points P, Q and S are collinear. (same sine)



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14) Make a conclusion: If a person wants to get a car, that person must buy car insurance. Jayla wants to get a car....

then Jayla needs to buy car insurance.

Geometry Unit 1 Test Review Use the diagram below for Q15 and 16





16) If $m \sphericalangle 1 = 4x + 2$ and the $m \sphericalangle 2 = 110$, what is the value of x?

$$4x+2+1:0 = 180$$

$$4x+1:2 = 180$$

$$-1:2 - 1:2$$

$$\frac{4x}{9} \frac{68}{9} x = 17$$



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a) If
$$m \neq ADB = 2x + 5$$
 and $m \neq CDA = 3x$, find the value of x.
 $2x+5+3x = 90$
 $5x+5 = 90$
 $-5 = 5$
 $5x-85$
 $5x-85$
 $x=17$
b) If $m \neq FDC = 4x - 20$ and $m \neq EDA = 3x + 12$, find $m \neq ADC$
 $4p - 20 = 3x + 12$
 $x = 32$
 $4(C3 = 3) - 20 = 08$
 $m \notin ADC = 720$

18) Find the midpoint and the length of \overline{RS} if R is (3, 8) and S is (-1, -14)

$$mp_{=} \underbrace{3+!}_{2} \underbrace{8+!}_{1} \underbrace{9}_{2} = \sqrt{(3+!)^{2} + (8+!y)^{2}} \\ mp_{=} (1)^{-3} \underbrace{0}_{1} = \sqrt{4^{2} + 22^{2}} \\ d = \sqrt{4^{2} + 22^{2}} \\ d = \sqrt{16 + 984} \\ d = \sqrt{500} \quad d = 10\sqrt{5}$$

20) M is the midpoint of \overline{PQ} . Find the coordinates of P if Q is (-4, -6) and M is (1, -3).

(6,0) - 5 (1,-3) - 3 (-4,-6)

Geometry Unit 1 Test Review 21) Find the value of x so that \overline{TR} is the bisector of \overline{AP} and find the length of \overline{AP} .



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