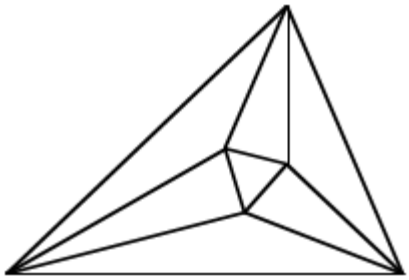
Meet 1 – Event B 2019-20



Questions are worth 2-2-2-4-4 points respectively.
No calculators allowed

x = _____ **1.** Which value of *x* makes the equation true?

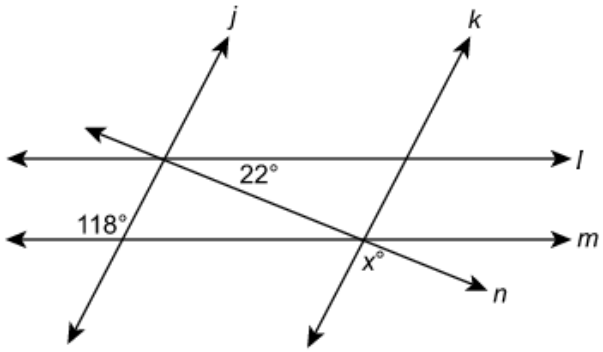
$$(3^3)^4 = 3^x$$

_____ **2.** Evaluate the expression.

$$3 - 8 \times 6 - (-13)$$

x = _____ **3.** In the diagram, lines *j* and *k* are parallel. Lines *l* and *m* are also parallel. Line *n* is a transversal.

What is the value of *x*?



_____ **4.** What is $\frac{3}{25} + 0.325$? Write your answer as a decimal and as a reduced fraction.

_____

$ _____ **5.** A taxi driver charges $5.00 plus the amounts listed below.

- $0.30 per $\frac{1}{4}$ mile traveled
- $0.30 per minute the taxi is stopped

What is the cost of a 7.2-mile taxi ride that includes a 3-minute stop? Determine the cost based on the exact mileage.

Name_____ School_____

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