AP Calculus AB Mr. Shubleka Quiz: 23

| Present neatly on separate | paper. Justify for full | l credit. No Calculators. |
|--|---|--------------------------------------|
| Name 1. | Score | 15 minutes |
| Two sides of a triangle have leng angle between them is increasing fast is the length of the third side between the sides of fixed length | g at a rate of 2°/min. How increasing when the ang | W |
| 2. | | |
| Two sides of a triangle are 4 m as angle between them is increasing | | |

the rate at which the area of the triangle is increasing when

the angle between the sides of fixed length is $\pi/3$.