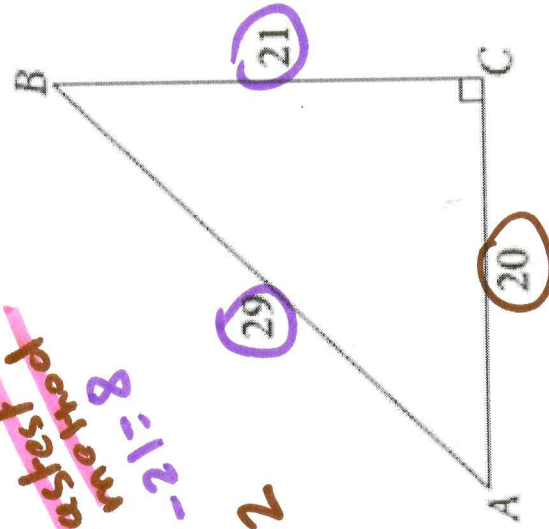


SAT Calc Thursday 2/7

1st method
 $20 - 21 = 8$

$$\frac{8}{20} = 2$$

ratio $\rightarrow$ 4
 of similarity



Triangles ABC and DEF above are similar. How much longer than segment EF is segment DE?

- A) 1
- B) 2
- C) 4
- D) 8

3 # ways to solve this:

2nd method

$$\frac{21}{4} = 5.25$$

$$\frac{20}{4} = 5$$

$$5.25 - 5 = 0.25$$

3rd method
 Pythagorean
 $20^2 + 21^2 = 25^2$
 difference
 $25 - 20 = 5$

big triangle
 4 times
 larger
 than one
 $\frac{20}{5} = 4$

hypotenuse (longest side)

DE - EF