



# Practice Questions

Grade 9

*you must do this question in one of two ways:*

- 1) if you do not know what to do, discuss it with me on the group*
- 2) if you have indeed completed it, or tried to do it, post a photo on the group.*

Simplify, and write with positive exponents where necessary:

a)  $x^3 \cdot x^{-2} = x$

b)  $(ab^2)^2 = a^2b^4$

c)  $(3ac)^2 \div ac^3 = \frac{9a}{c}$

d)  $\frac{(3x^4y^2)^2 \cdot (2x^3y)^2}{36x^4y^6} = x^{10}$

e)  $\frac{x^2 \cdot x^{-3} \cdot x^4}{x^{-2}} = x^5$



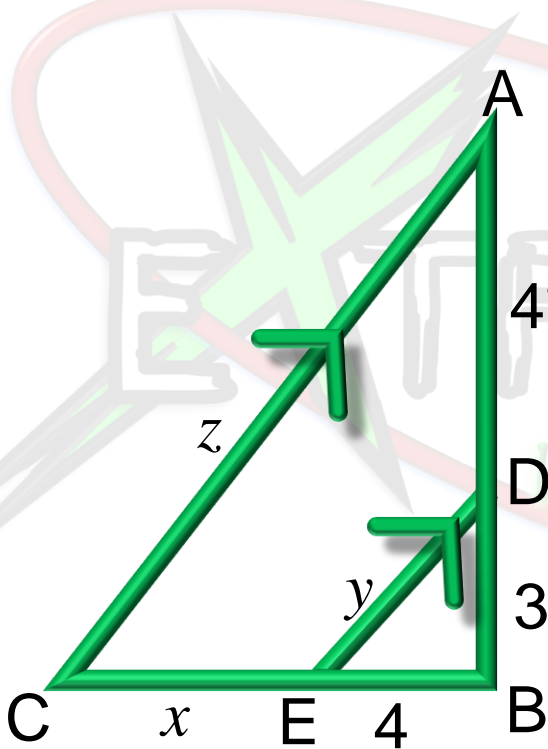


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$\triangle ABC \parallel \triangle DBE$

Calculate

$x = 4$

$y = 5$

$z = 7\frac{1}{2}$

