**Videos 15C1 - Work, Pressure and Volume: Name**

Write down the formula for work in terms of Pressure, and change in volume.

W =

**Example**: What work done by an isobaric compression at 500 Pa from 0.85 m3 to 0.52 m3?

PV Diagrams:



**Example**:



Whiteboards:

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| Hugo First has a gas in a cylinder that expands from 200. liters to 500. liters at a pressure of 1200 Pa. What work did the gas do? (1000 liters = 1 m3) (360 J) | Mr. Fyde compresses a cylinder from 0.0350 m3 to 0.0210 m3, and does 875 J of work. What was the average pressure? (62500 Pa) |

over

More Whiteboards

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| (120 J) | (-90 J - work on the gas) |
| What is the work done by this process?(210 J - Use an average pressure ) | (does the piston move at all? Is there any change in volume?) |