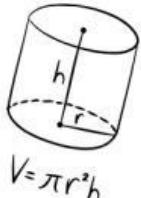


# MATCH THE CORRECT ANSWER



Find the Laplace transform for the following equation by using Table of Laplace Transform :



1.  $f(t) = 20t$

$$F(s) = \frac{20s}{(s^2+25)^2}$$

2.  $f(t) = 3\cos 2t$

$$F(s) = \frac{20}{s^2}$$

3.  $f(t) = 7t^3$

$$F(s) = \frac{42}{s^4}$$

4.  $f(t) = e^{-t} \cosh 7t$

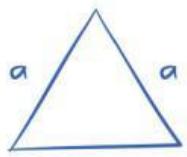
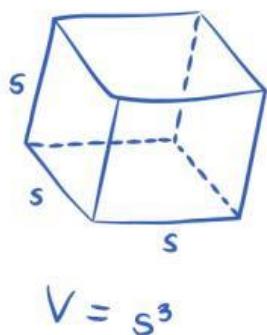
$$F(s) = \frac{3s}{s^2+4}$$

5.  $f(t) = e^{-8t}$

$$F(s) = \frac{s+1}{(s+1)^2-49}$$

6.  $f(t) = 2t \sin 5t$

$$F(s) = \frac{1}{s+8}$$



$$A = \frac{\sqrt{3}}{4} a^2$$

$$\frac{x}{a} + \frac{y}{b} = 1$$

